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THE
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RECIPES AND DIRECTIONS
FOR
FIRST YEAR COOKERY
IN
THE STOUT INSTITUTE

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STOUT INSTITUTE

INTRODUCTION

The following recipes are used in The Stout Institute in the first year cookery classes. No originality is claimed for them. They are, for the most part, foundation recipes or proportions which may be found in every reliable cook book. Stress is placed upon this knowledge of proportions and of materials, rather than of recipes, in order that the student may become more practical and adaptable both in the teaching and the practice of cookery. The directions given are more detailed and specific than those given in cook books, such being necessary for class room use.

The lessons are based on the food principles and the work is correlated, so far as possible, with that in Food Study, hence carbohydrate foods are studied first. The custard lesson is introduced for the purpose of comparison of eggs with cornstarch as a thickening agent, also to teach the properties of eggs and principles of their cookery in so far as their knowledge is necessary in succeeding lessons. The series of batters and doughs follows in connection with the subject of cereal products and their uses. Candy lessons are reserved for the holiday season. In the protein series, egg lessons are deferred until the season when they are cheapest. Following the completion of the cookery of protein foods and their combinations, the lessons are grouped as to dishes; that is, desserts, salads. Review lessons on batters and doughs are given in order that more skill in manipulation may be acquired.

The percentage composition of foods is included for convenience in class use. The figures have been taken from Atwater's tables in government bulletin No. 28.

In every case where recipe and directions have been taken directly from a cook book, credit has been given.

The aim of this pamphlet is to save time in the cookery classes by reducing the amount of dictation or copying of recipes and directions, and to reduce note book work to a minimum.

Price 36c, 35c.

ABBREVIATIONS COMMONLY USED IN COOKERY

Tablespoon = tb

Pint = pt

Teaspoon = t

Quart = qt

Cup = c

Pound = lb

Speck = spk

Ounce = oz

TABLE OF EQUIVALENTS

3 t = 1 tb

2 tb = 1 oz butter

16 tb = 1 c

2 tb = $\frac{1}{2}$ oz flour

2 c = 1 pt

DIRECTIONS FOR DISHWASHING

1. Scrape all dishes well, leaving no scraps to collect in dish water.
2. Wipe all greasy dishes with soft paper.
3. Soak all dishes that have contained flour mixtures, eggs, or starchy material in cold water.
4. Rinse in cold water all dishes that have contained milk or cream.
5. Soak in hot water, dishes that have contained syrup or sugar mixtures.
6. Place all dishes of a kind together and pile up neatly.
7. Have a clean dry place clear for clean dishes.
8. Have ready two pans — one containing hot, soapy water for washing dishes; the other filled with hot, clear water for rinsing.
9. Wash dishes in the following order: glassware, silverware, china, (washing cleanest first), small cooking utensils, kettles and frying pans.
10. Outside of kettles and frying pans should be washed as clean as inside.
11. Use Dutch cleanser or similar scourer with cork to remove food that sticks or is burnt on.
12. Use brush to clean sieves, strainers, ricers, etc.
13. Scour steel knives.
14. Do not put knife handles or cogs of Dover egg beater in water.
15. Wash dish pan and rinsing pan and wipe dry.

CARE OF TOWELS

1. Wash dish towels and dish cloths with hot water and soap. Rinse thoroly in clear water, shake out, and dry, hanging towels straight. Both towels and cloths should be hung in light place to dry, not under sink or behind stoves, and should be boiled once a week.

THE GAS RANGE AND ITS PARTS

A range of ordinary size has:

1. Four top burners, for sauce pans, kettles, etc.
2. One or two sets of oven burners for heating the ovens.
3. A baking oven for bread, cake, and large roasts.
4. A broiling oven (below the burners) with rack and pan for steaks, chops, etc., for small roasts, for toast, and dishes to be browned.
5. Gas-cocks, one or more to each top burner, two to the oven burners to regulate the supply of gas.
6. An oven lighter or "pilot light" at the right hand side of the oven for lighting the oven burners.
7. A stove pipe connected with the chimney for carrying away gases produced by combustion.

The broiling oven is heated directly from the oven burners, the baking oven by currents of heated air passing around it as in a coal range. Some ranges have a small top burner, called a simmering burner; all ranges should have a movable sheet of iron under the top burners. The connecting pipe is sometimes fitted with a gas cock.

Air is admitted to the burner thru holes in the supply pipes. This makes the gas burn with a blue and very hot flame. From William & Fisher "Elements of the Theory and Practice of Cookery."

BAKED APPLES

6 apples

6 lb. light brown sugar

$\frac{2}{3}$ c. boiling water

Select smooth uniform sized apples. Wash and core. Fill the centers with sugar. Place in shallow pan, pour water about them, bake till tender, twenty to forty minutes according to size and variety of apples. Baste while baking. A little lemon juice or cinnamon may be added for flavor. Chopped nuts or raisins may be mixed with sugar for filling apples.

	Water %	Prot. %	Fat %	Chy. %	Ash %
Fresh Apple	84.6	.4	.5	14.2	.3
Pear	84.4	.6	.5	14.1	.4

BAKED POTATOES

Select smooth, well shaped potatoes of uniform size, and not too large. Wash and scrub well with a vegetable brush. Dry. Place in shallow pan. An old one may be kept for this purpose. Place it in a moderate oven, turning occasionally so that they may bake evenly. It will require about

45 minutes for baking. Test by pressing between fingers. When they yield easily to pressure they are done.

BOILED POTATOES

Select potatoes according to method of preparation. If cooked in the "jackets" the potatoes should be uniform in size, and with smooth skins, free from blemish. If pared, and plain boiled, they should again be uniform in size, not too large, and the potatoes selected should be in good condition. If however, they are to be mashed, riced, creamed or scalloped, potatoes of different sizes and those with the blemishes can be used, and cut into smaller sections for boiling.

Wash potatoes before paring. Use sharp, well-pointed knife, pare potatoes thin, and carefully remove all eyes or specks. Place in cold water until all are ready. Drop into sufficient boiling water to cover. Cover the sauce pan. Add salt a few minutes before they are tender. This requires from 20 minutes to half an hour.

Test them with a fork, or better, a steel knitting needle kept for this purpose. Drain water off and let stand in kettle on back of stove for a few minutes, having the cover partly pushed back.

	Water %	Prot %	Fat %	Chy %	Ash %
Potato	78.3	2.2	.1	18.4	1.
Boiled Potato	75.5	2.5	.1	20.9	1.

SCALLOPED POTATOES

Prepare half as much white sauce as potatoes to be used. Butter baking dish; a shallow one is best. Pour the white sauce over the sliced or diced boiled potatoes. Over the top sprinkle buttered and sifted bread or cracker crumbs. Brown in oven.

WHITE SAUCE

I	II	III
1 c milk	1 c milk	1 c milk
2 tb flour	1 tb flour	$\frac{1}{2}$ tb flour
2 tb butter	1 tb butter	1 tb butter
$\frac{1}{4}$ t salt	$\frac{1}{4}$ t salt	$\frac{1}{4}$ t salt

Scald milk in a double boiler reserving a small portion to mix with flour to smooth paste. Add flour mixture to scalded milk, stir and cook until sauce thickens, about ten minutes. Add butter and seasoning.

Or, flour and butter may be blended together and added to scalded milk, stirring until done.

The quickest method, but least desirable to teach children, is to melt butter in saucepan, then add flour, stirring till mixture becomes foamy, but not brown. Add milk, continue stirring to insure smoothness, cook till thickened. Season.

White sauce I is used in preparation of creamed vegetables. II is used in scalloped dishes. III is that usually used for creamed soups.

The general rule for use of white sauce for creamed or scalloped vegetables is to use half as much white sauce as vegetables. For example, for one pint of potatoes, use one cup of white sauce.

MASHED POTATOES

1 pt hot boiled potatoes

$\frac{1}{2}$ t salt

spk pepper

2 tb butter

$\frac{1}{4}$ c hot milk

Mash with wire masher or put thru ricer the hot potatoes. Add seasoning, quantity of milk used will vary with quality of potatoes. Use just enough to moisten well, but potatoes should not seem watery. Place over fire again and beat till light and smooth.

CREAM OF POTATO SOUP

1 c mashed potato

1 pt thin white sauce

Seasoning

Make white sauce, mix with potato, season with salt, pepper and onion juice.

GLAZED SWEET POTATOES

4 medium sized sweet potatoes

$\frac{1}{4}$ c brown sugar

$\frac{1}{4}$ c butter

Boil potatoes until partly done, or about ten minutes. Slice lengthwise and place in buttered dripping pan. Sprinkle sugar over potatoes, and over that the butter in bits. Brown in moderate oven.

APPLE TAPIOCA PUDDING

$\frac{1}{2}$ c tapioca
1 pt water
 $\frac{1}{2}$ c sugar
spk salt
 $\frac{1}{2}$ t cinnamon

Cook tapioca in boiling salted water, stirring constantly until transparent. Then add sugar and spice, if desired. Butter a baking dish and place in it, cored and pared apples, whole or in sections. If left whole the centers may be filled with sugar, raisins, nuts or jelly. Bake until apples are tender. Serve with cream or soft custard.

BEETS

Wash and scrub thoroughly, but do not cut them as that destroys the flavor and color. Cook in boiling water until tender. Young beets require about an hour. Fall beets often take four or five hours. When cooked, place them in cold water and rub off the skin. They may then be sliced or cubed, and served hot with butter (about 1 tb to the cup of vegetable) salt and pepper; or they may be pickled in plain or spiced vinegar and served cold. Like other vegetables they may also be served in white or brown sauce; or sauted in a little butter or drippings; or combined with others and served as a salad.

The tender leaves of new beets may be used as greens. To prepare, they should be washed carefully, placed in a small amount of boiling water, cooked till tender, drained well. Butter, salt and pepper are then added.

CARROTS

These should be washed, then scraped. If young, they may be cooked whole. The larger, older ones may be cut in slices, strips or cubes, placed in boiling water and cooked until tender. Only sufficient water to cover and cook the carrots should be used. Water may be drained off or used in preparation of white sauce, if desired.

Carrots may also be served with butter, 1 tb to 1 c vegetable, salt and pepper added. Chopped parsley may be used with them. For variety, season with sugar and lemon juice. They may also be sauted or used as a salad.

Carrots are often boiled with meat, corned beef, fresh beef or mutton. The young ones may be baked in the pan with roast of beef or mutton, if desired.

TURNIPS

Wash and pare these, cut in cubes or slices (not too thin), be sure that all woody portions are removed. Place in boiling water and cook till tender. Drain, or part of the water may be used in the making of a white or brown sauce in which they may be served, if cut in cubes. If sliced, they may be sauted, or butter and seasoning added, or they may be mashed before the seasoning is added. Like the others, they may be used in a combination or macedoine salad.

Sometimes they may be placed in a buttered baking dish, white sauce added, buttered crumbs sprinkled over the top and browned in the oven. A little grated cheese, or chopped green pepper, or chopped parsley may be added to give variety.

	Water %	Prot %	Fat%	Chy %	Ash %
Beets	87.5	1.6	.1	9.7	1.1
Carrots	88.2	1.3	.4	9.3	1.0
Turnips	89.6	.4	.2	8.1	.8

STEWED TOMATOES

Wash, then cover with boiling water for a few moments. This will loosen the skin and it will peel off easily.

Boil until well cooked up, without adding water. Butter, salt and pepper should be added. A little sugar and onion juice may be added if desired. May be served on toast.

SCALLOPED TOMATOES

1 qt fresh tomatoes or 1 can may be used

2 c stale bread or cracker crumbs

2 or 3 tb butter

1 tb sugar

$\frac{1}{2}$ t salt

$\frac{1}{4}$ t pepper

Onion juice or minced onion if desired

Butter a baking dish, put a layer of tomatoes on the bottom, sprinkle over a little salt, pepper, sugar and onion, then add a layer of crumbs mixed with melted butter. Continue alternating layers finishing with crumbs on top. A shallow dish with fewer layers is usually better than the deeper baking dish. Bake until hot and brown.

BROILED TOMATOES

Firm tomatoes, not too ripe should be used. Cut in thick slices without peeling. Sprinkle with salt and pepper, dredge with flour or sprinkle with finely sifted bread crumbs. Broil or saute until brown in hot fat.

BAKED TOMATOES

4 to 6 tomatoes
 $\frac{1}{2}$ c soft bread crumbs or boiled rice
 1 t chopped parsley
 1 tb butter
 1 t sugar
 1 t salt and $\frac{1}{4}$ t pepper

Select large, firm regular tomatoes of about same size. Wash but do not peel. Cut thin slice from stem end of each. Remove from center the seeds and pulp, being careful not to break the outer skin. Drain liquid from pulp. Mix with crumbs or rice, add melted butter and seasoning. Chopped ham or other left over meat may be added. One-fourth teaspoon of thyme may be substituted for the parsley. Fill the tomatoes with the mixture, place them in a shallow dish and bake till tender, about fifteen minutes. If over done, they fall to pieces.

CREAM OF TOMATO SOUP

$\frac{1}{2}$ can or 1 pt tomatoes	1 qt milk
2 t sugar	1 slice onion
$\frac{1}{4}$ t soda	$\frac{1}{4}$ c flour
1 t salt	$\frac{1}{4}$ c butter
pepper	

Stew tomato, strain, add soda and seasoning. Scald milk in double boiler with one slice onion. Add flour well blended with butter, cook thoroly. Remove onion from milk. Combine mixtures adding tomato to milk slowly, strain, serve at once in a hot dish.

	Water %	Prot %	Fat %	Chy %	Ash%
Cabbage	90.3	2.1	.4	5.8	1.4
Cauliflower	90.8	1.6	.8	.6	.8
Onions	87.6	1.6	.3	9.9	.6
Squash	86.5	1.6	.6	10.4	.9
Tomatoes	96.3	1.3	1.4	6.5	.8

CABBAGE

Remove the outer imperfect leaves, cut in quarters and remove the woody inner portion or "heart". Freshen in water. May be cooked in quarters, or cut in smaller sections, or cut fine. Cook uncovered in boiling, salted water about thirty minutes. The addition of a little soda reduces the odor while cooking and aids in softening the cabbage. Over cooking renders it dark and strong flavored. Drain thoroughly, may be seasoned with butter, salt and pepper. White or brown sauce may be added. Cabbage is often boiled with meat, fresh beef, corn beef or ham. Sometimes a few slices of bacon or salt pork are placed in the water in which cabbage is boiled. In this case the addition of butter and salt are unnecessary as the above serve both purposes.

SCALLOPED CABBAGE

Mix cooked cabbage with half as much white sauce. Season well. A little green pepper or chopped boiled ham may be added for flavor. Place in a buttered baking dish, cover with buttered crumbs. Bake until hot and brown.

CAULIFLOWER

Remove the leaves, cut away the woody end. Cauliflower may be cooked in whole head or broken into small sections. In either case it is well to soak for an hour or more in cold water to which a few table spoons of vinegar have been added. Place in boiling salted water, sufficient to cover, cook without cover on kettle. Boil till tender. Over cooking makes cauliflower dark and strong flavored. Serve with white sauce.

CEREALS

Oatmeal	4c water to 1 c cereal	3 to 6 hours
Rolled Oats	2½c " " " "	½ " 1 "
Rice (boiled)	8c " " " "	25 " 30 min
Rice (steamed)	3c " " " "	1 hour
Wheat (rolled)	1½c " " " "	1 hour
Wheat (granular)	3 or 4c " " " "	1 to 3 hours
Corn Meal	6c " " " "	3 to 6 hours
Cracked wheat	6c " " " "	3 " 6 "
Hominy	4c " " " "	2 " 4 "

CEREALS—GENERAL DIRECTIONS

1. Pick over and wash, then soak coarse cereals.
2. Use 1 t salt to 1 qt water for steamed cereals.
3. Use a double boiler.
4. Stir cereal, dropping it slowly into boiling, salted water.
5. Stir as little as possible while cooking.
6. Boil directly over heat for 3 or 5 minutes.
7. Finish over water.
8. When done, all the water should have been absorbed.

SERVING OF CEREALS

Cereals constitute our most inexpensive source of food, hence their use is extensive and should be encouraged.

For variety, steam with the cereal well washed dates, figs, raisins, or dried apricots or peaches. Slices or sections of fresh apple, peaches, pears may be added during the last thirty or forty minutes of cooking. The steamed cereal may be served with any fruits previously stewed, or fresh fruits served over it. The cereal may be cooked in strained fruit juice or milk instead of water.

Left-over cereal may be molded in a buttered bread pan, sliced when cold and sauted for luncheon or supper dish. It may also be molded in cups or individual molds and served with fruit and whipped cream or a pudding sauce for a simple dessert.

Cook the cereal in soup stock or with meat, season with salt and pepper, butter and serve as a potato substitute.

BOILED RICE

- 1 c rice
- 2 qts boiling water
- 1 tb salt

Look over rice, wash in strainer or colander. Stir gradually into rapidly boiling water. Stir with fork at first to prevent sticking. Boil till tender or about twenty minutes, then drain thoroly. If it is desired to have each grain separate, drain in strainer and pour over hot water to wash off starch. Return to kettle to heat and dry out or place in hot oven a few minutes. If left overs are to be used for croquettes or molds this should not be done.

STEAMED RICE

- 1 c rice
- 3 c boiling water or milk
- $\frac{1}{2}$ t salt

To hot water or milk, or half of each in double boiler, add salt. Stir in rice previously looked over and washed. If water is used, cook directly over the flame a few minutes, place over water and cook till tender, about an hour.

	Water %	Prot %	Fat %	Chy %	Ash %
Dry Rice	12.3	8.	.3	79.0	.4
Boiled Rice	72.5	2.8	.1	24.4	.2
Hominy	11.8	8.3	.6	79	.3
Wheat (farina)	10.9	11.	1.4	76.3	.4
Rolled Oats	7.7	16.7	7.3	66.2	2.1

Table showing porportion of water and time for cooking Cereal.

STEWED FRUIT—GENERAL DIRECTIONS

1. Use half as much water as fruit.
2. Use $\frac{1}{4}$ or $\frac{1}{2}$ c sugar for 2 c fruit.
3. Cook sugar and water to form a syrup.
4. Add fruit, cook till tender.
5. Remove fruit and boil down syrup, adding spice or lemon if desired.
6. If fruit is hard like quinces or pears, cook first in water, not adding sugar until tender.

STEWED PEARS

- 6 pears
- 2 c boiling water
- 8 tb sugar
- 2 tb lemon juice

Pare and core fruit and place in cold water to prevent discoloration till ready to use. Make syrup. add fruit cored side down. Boil gently until soft but not broken, add lemon juice just before done. Cook small quantity at a time.

APPLE SAUCE

Apples may be prepared in same way, cinnamon or cloves may be used for flavoring as well as the lemon. If desired they may be cooked very soft, then beaten smooth or put thru strainer. For most apples more sugar is required than for pears.

MACARONI WITH CHEESE

1 c macaroni
1 c white sauce
 $\frac{1}{4}$ c chopped or grated cheese
buttered crumbs

Break macaroni into pieces one-inch long. Drop slowly into two quarts of boiling salted water and cook till tender (20 to 40 minutes), drain in a colander. Hot water poured over it will wash off some of surplus starch, and separate parts. Stir cheese into hot well seasoned white sauce and mix with macaroni, or, put macaroni and sauce in buttered baking dish in layers, sprinkle buttered crumbs on top and brown well in hot oven.

Chopped green peppers may be added for additional flavor.

MACARONI WITH TOMATOES

1 c macaroni
1 c tomato sauce
buttered crumbs
Prepare as for macaroni with cheese.

TOMATO SAUCE

2 tb butter	1 c strained tomato
1 tb chopped onion	$\frac{1}{4}$ t salt
1 tb flour	$\frac{1}{8}$ t pepper

Brown onion in butter. Proceed as for white sauce.

CORNSTARCH PUDDING

2 $\frac{1}{4}$ c milk
 $\frac{1}{4}$ c cornstarch
 $\frac{1}{4}$ c sugar
flavoring
spk salt

Scald the milk in double boiler reserving $\frac{1}{4}$ c. Mix cornstarch with cold milk, stir into hot milk. Stir constantly until well thickened and clear. Should cook twenty minutes. Add sugar, salt and flavoring. Turn into mold rinsed in cold water.

SOFT CUSTARD

1 pt milk
2 eggs or 3 yolks
 $\frac{1}{4}$ c sugar
flavoring
spk salt

Scald the milk in a double boiler. Beat the eggs and mix part of the milk with the eggs. Add to remainder of milk. Stir mixture constantly until it thickens sufficiently to coat the spoon and the foam disappears from the top. Add the sugar and salt, strain, cover, cool. Or, the sugar may have been beaten in with eggs if desired. Add the flavoring when the custard is partly cooled.

FIRM CUSTARD

For this, the ingredients are the same and in the same proportion. Scald the milk, add the beaten eggs with which the sugar has been mixed. Add also salt and flavoring which would better be ground cinnamon or nutmeg, rather than the liquid extracts. Strain into cups, rinsed in cold water, or into one mold. The custard may be either steamed over water or in a pan of water, or set in a pan of water and placed in the oven to bake. They are done when puffy on top and firm in center, or when a silver knife, inserted in the center, comes out clean.

	Water %	Prot %	Fat %	Cbhd %	Ash %
Eggs	73.7	13.4	10.5		1.
Milk	87.	3.3	4.	5	.7

BATTERS AND DOUGHS

Pour Batter	1 part liquid to 1 to 1½ parts flour.
Drop Batter	" " " " 2 " 2½ " "
Soft Dough	" " " " 3 " 3½ " "
Stiff Dough	" " " " 4 or more " "

In standard cook books in the recipes for all batters and doughs except yeast breads flour unless otherwise specified, means pastry flour. If bread flour is used, about two tablespoons less to the cup must be used, or the mixture will be too stiff.

POPOVERS

1 c flour.
1 c milk
1 egg
¼ t salt

Into a bowl sift flour and salt. Mix egg with milk, and add to flour stirring to mix and to prevent lumps. Then with Dover eggbeater, beat vigorously until perfectly smooth and full of air. Have the gem pans (earthen or iron are best) already greased. Bake in a moderate oven from 40 to 60 minutes. Each cake should have doubled in size and should be dry, crisp and hollow. If not thoroly baked, they will shrivel and be moist and soft inside.

SWEET MILK GRIDDLE CAKES

1 pt flour	2 eggs
½ t salt	1½ c to 2 c milk
3 t baking powder	2 tb melted butter
1 tb sugar	

Sift together dry ingredients into mixing bowl. Beat eggs until light. Stir eggs and 1 c milk into flour mixture. Add melted butter, beat thoroly. Then add as much more milk as is needed to make a batter the consistency of thick cream. Beat well before each frying. Use a large griddle uniformly hot. Grease lightly with a bit of fat on fork, leaving just a film of grease. Drop batter from end of spoon, making cakes round and of uniform size. When full of bubbles and before they look dry on top, turn over with cake turner or broad knife. If any portion of batter spatters out on edge, push it immediately up to the cake that there may be no waste and no ragged edges. When they stop puffing they are usually brown and done.

With a good soapstone griddle no greasing will be required.

From Home Science Cook Book.

PLAIN MUFFINS

1 pt pastry flour	1 egg
$3\frac{1}{2}$ t baking powder	1 c milk
$\frac{1}{4}$ t salt	1 tb shortening
1 tb sugar	

Sift dry ingredients into mixing bowl. Stir in milk, beating well. Add egg beaten light and lastly, shortening, melted before adding. Mix thoroly. The shortening may be butter, clarified drippings, suet, bacon, fat, etc., or, shortening may be omitted, if desired.

Grease muffin tins, fill about two-thirds full. Bake rather quickly in moderately hot oven.

GRAHAM OR RYE MUFFINS

In any muffin recipe graham or rye flour may be substituted for half the white flour used. Often, with these darker flours, molasses is used instead of sugar, as for an example in the following recipe of Miss Farmer's which is to be compared as to proportions of ingredients with other muffin recipes.

RYE MUFFINS

$1\frac{1}{4}$ c rye flour	$\frac{1}{4}$ c molasses
$1\frac{1}{4}$ c white flour (pastry)	$1\frac{1}{4}$ c milk
4 t baking powder	1 egg
1 t salt	1 tb shortening, melted

BAKING POWDER BISCUIT

2 c flour (pastry)
4 t baking powder
$\frac{1}{2}$ t salt
1 tb shortening or more
$\frac{2}{3}$ c liquid (milk or water, or part of each)

Sift flour, baking powder and salt into mixing bowl. Add shortening, which may be lard, butter, clarified drippings, etc. Use two knives for this purpose. Then add liquid gradually, cutting it in. Care must be used in this mixing, more or less liquid being required by different flours. The dough should be stiff enough to roll but not sticky or crumbly. A very little flour should be lightly sifted over the molding board, and the dough tossed about in it with the knife, that the outer surface may be lightly coated with flour to prevent sticking to board or rolling pin. Dough may then be patted out with a knife or rolled out with rolling pin. Keep dough

round, not ragged or irregular in shape. Rolling pin should be held lightly and rolled from center outward. Roll to desired thickness, usually $\frac{1}{2}$ to $\frac{3}{4}$ inch. Flour biscuit cutter. Bake in quick oven in greased pan.

APPLE ROLY POLY

2 c flour (pastry)	2 good sized apples
$\frac{1}{4}$ t salt	$\frac{1}{4}$ c sugar
4 t baking powder	1 t cinnamon
2 tb shortening or more	$\frac{2}{3}$ c liquid

This is baking powder biscuit mixture, only slightly richer. Less shortening may be used, if desired. Follow directions for mixing and rolling biscuits, but roll dough into oblong shape, about one-fourth inch in thickness. Wash, pare, core and slice apples. Place evenly over dough, keeping about one-half inch from edges. Mix sugar and cinnamon and sprinkle over apples. Roll up dough, as for a jelly-roll, pressing well together. Keep of uniform thickness. Place on greased pan, bake in a much slower oven than for biscuits. Will require about 30 or 40 minutes or more. Instead of making into one roll, dough may be divided into smaller portions and several smaller rolls prepared in same way. Serve with pudding sauce or sweetened cream. Other fruit may be substituted for apples.

APPLE DUMPLING

Use same mixture as for roly poly. This will be sufficient for six dumplings. Divide into portions, pat into circular pieces, one-half inch thick. Place on each an apple, pared and cored. Fold dough neatly about it. Bake or steam until apples are tender. Apples may be cut in sections, if desired, or other fruit may be used. Serve with sauce or cream.

PLAIN PUDDING SAUCE

- 1 orange or lemon
- 1 c sugar
- 2 tb cornstarch
- 1 pt boiling water
- 2 tb butter

Grate the rind of orange or lemon, or half of each, and squeeze juice over it. In saucepan mix sugar and cornstarch. Pour in the boiling water and cook from five to ten minutes, till thick and nearly clear, stirring constantly. Add butter and orange, and strain.

The yolk of one or more eggs may be blended with sauce just before straining, and the stiff whites folded in after. Other fruit juices may take the place of part of the liquid.

From Home Science Cook Book.

CORN BREAD OR JOHNNY CAKE

1 c corn meal	$\frac{1}{4}$ c sugar or molasses
1 c flour (pastry)	1 egg
$\frac{1}{2}$ t salt	1 c sour milk
$\frac{1}{2}$ t soda	2 tb melted butter

Sift together dry ingredients. If molasses is used add it next, rinsing out cup in which it was measured with the sour milk. Beat egg light. Add to mixture, following with milk and butter. Beat well. Bake in one pan 30 to 40 minutes or about 25 minutes in muffin pans. Oven should be moderate, as corn meal burns easily.

BOSTON BROWN BREAD

1 c corn meal	1 c sour milk
1 c white flour or rye, or graham	$\frac{1}{2}$ c molasses
$\frac{1}{2}$ t salt	$\frac{1}{2}$ c raisins, if desired
1 t soda	

Sift together dry ingredients. Mix well with sour milk and molasses. If mixture is too stiff, thin with a little water. If raisins are used, either add to dry mixture before liquid, or reserve out little flour, sift well over raisins and stir in last. Grease baking powder cans or molds, and cover, fill half full with batter. Steam three hours or more, depending on size of mold used. This will make one full sized loaf.

MOLASSES GINGERBREAD

2 c flour (pastry)	1 egg
$\frac{1}{2}$ t salt	$\frac{3}{4}$ c molasses or part each molasses and sugar
1 t soda	$\frac{1}{2}$ c sour milk
1 tb or less ginger	2 tb melted shortening.

Sift together dry ingredients. Add egg, well beaten, then other ingredients in order given. Shortening may well be cheaper fat than butter. Beat well. Spread in shallow pan or fill muffins tins two thirds full. Bake in very moderate oven twenty minutes or more.

STEAMED PUDDING

2 c flour (pastry)	$\frac{1}{2}$ c molasses
$\frac{1}{2}$ t salt	$\frac{1}{2}$ c sour milk
$\frac{1}{2}$ t soda	2 tb shortening, melted
$\frac{1}{4}$ t mixed spice	$\frac{1}{2}$ c chopped nuts or raisins

Mix as for gingerbread or Boston brown bread. Spice may be cinnamon, nutmeg, cloves and ginger. It is unnecessary to use butter for shortening as spice and molasses cover its flavor. Fruit used may be raisins, cur-

rants, dates, figs, citron, etc. Any kind of nuts may be used or part fruit and nuts. Grease molds. This will fill six good sized molds. Steam 1 to 2 hours. Serve with sauce. Home Science Cook Book.

FRUIT SAUCE.

$\frac{1}{3}$ c butter

$\frac{1}{2}$ c light brown sugar

1 or 2 egg yolks

$\frac{1}{8}$ t mace, or lemon juice may be used.

1 c fruit juice.

Heat fruit juice, which may be juice of fresh fruit or syrup of canned fruit, in which case less sugar will be needed. Add butter and sugar. Beat yolk, blend into hot syrup.

YEAST BREAD

1 c liquid

1 t salt

1 t sugar

$\frac{1}{2}$ tb shortening

$\frac{1}{4}$ to 1 yeast cake

3 c+ flour (bread)

Liquid may be milk, or water, or half of each. If milk is used it must be scalded. Skim milk may well be used. Melt shortening, which may be butter, lard or other fat, in hot milk. Add salt and sugar. Yeast cake should have been previously broken into 2 tb water to soften and dissolve. When milk has been cooled to about 98° F, or to the temperature we know as "luke-warm," yeast may be stirred in. Gradually, sift in flour, mixing first with spoon. When about half the flour has been added, beat mixture long and thoroly, until it becomes frothy. Continue adding flour. When too stiff for use of spoon, take knife. Turn on floured board, cover outer surface of dough with flour to prevent stickiness, knead till smooth. To knead, pull dough forward with fingers and push backward with hand. Keep flour between dough and hand, and dough and board. Avoid getting fingers sticky. Place dough in bowl lightly greased, or slightly dampened with water. Cover closely and let rise till double in size. Then repeat kneading process for few moments, shape into loaves **without adding more flour**, place in greased pan. Cover, let rise till more than double in size. Bake.

Instead of shaping into loaf, dough may be divided into twelve portions and each shaped into roll. Place on greased tin, let rise till more than double in size. Bake in quick oven.

ENTIRE WHEAT OR GRAHAM BREAD

The recipe for yeast bread may be used, substituting entire wheat or graham flour for half or two thirds the white flour.

PLAIN ROLLS WITH SPONGE

- 1 c liquid
- 1 t salt
- 1 tb sugar
- 1 tb shortening
- $\frac{1}{4}$ yeast cake or more
- 3 + c bread flour

Follow directions for mixing yeast bread, add $1\frac{1}{2}$ c flour only. Let stand over night, or if less time is to be given, use more yeast. This is the "sponge stage" and when light it will have doubled in bulk and be full of bubbles. Then add about $1\frac{1}{2}$ c more flour. Knead well. Let rise as for bread. Knead again, shape into rolls, let rise. Bake.

COOKIES

- | | |
|----------------------------|----------------------|
| $\frac{1}{4}$ c shortening | $\frac{1}{2}$ t salt |
| $\frac{1}{2}$ c sugar | 2 t baking powder |
| $\frac{1}{2}$ egg | $\frac{1}{4}$ c milk |
| 2 c flour (pastry) | |

Rub butter until creamy, gradually add sugar, then put in egg and beat together thoroly. Next add alternately, the milk and 1 c flour in which salt and baking powder have been sifted. Add remainder of flour, or enough to make dough which will roll out well. If dough is well chilled before rolling, it will be found to be more easily handled. Flour board slightly. Toss dough lightly on board to coat with flour, and prevent stickness. Roll half of dough at a time. Occasionally, loosen dough from board with floured knife as rolling proceeds. Roll to thickness of $\frac{1}{4}$ inch or less. Shape with cutter dipped in flour. Have a hot oven and bake quickly. Suggestions for variations in this recipe are given in Home Science Cook Book.

GINGERSNAPS

$\frac{1}{2}$ c molasses	$\frac{1}{4}$ t soda
$\frac{1}{4}$ c shortening	$\frac{1}{2}$ tb ginger
$1\frac{3}{8}$ c flour	$\frac{1}{4}$ c sugar
$\frac{1}{2}$ t salt	

Heat molasses to boiling point and pour over shortening. Add dry ingredients mixed and sifted, chill thoroly. Toss half the mixture on floured board. Roll thin as possible. Be careful to prevent sticking by loosening dough from board with floured knife. Shape with small round cutter, first dipped in flour. Place near together on a buttered sheet or pan and bake in a moderate oven. Gather up trimmings and roll with other portion of dough. During rolling, keep bowl with dough cool.

Be careful not to add much flour during rolling as too much makes cookies hard instead of crisp.

PLAIN CAKE

$\frac{1}{4}$ c butter	2 t baking powder
$\frac{3}{4}$ c sugar	$\frac{1}{2}$ c milk
2 eggs	$\frac{1}{2}$ t flavoring
$1\frac{1}{2}$ c flour (pastry)	

Rub butter to cream. Mix in sugar gradually. Separate white and yolks of eggs. Beat yolks till light, add to creamed butter and sugar. Sift together remaining dry ingredients. Add these alternately with milk, beating thoroly. Flavor with vanilla. Beat egg whites till stiff and fold these into batter.

Have cake pan previously greased and lightly floured. Fill two-thirds full with mixture, having it little lower in center than toward sides.

The oven should be moderately hot, increasing in heat slightly during first part of baking.

According to Mrs. Lincoln, the time for baking a cake may be divided into four parts. During first part, the cake rises, but does not brown. In second quarter, it continues to rise, browns in specks. Third, it rises toward center, browns all over. Fourth, settles and shrinks from pan.

QUICK FROSTING

1 tb milk or cream
$\frac{1}{2}$ c powdered sugar

Stir sifted powdered sugar into liquid till consistency to spread. Flavor as desired. Spread on cake with wet knife.

SPICE CAKE

$\frac{1}{4}$ c butter	2 t baking powder
$\frac{3}{4}$ c sugar	$\frac{1}{2}$ t cinnamon
2 eggs	$\frac{1}{4}$ t nutmeg
$\frac{1}{2}$ c milk	$\frac{1}{4}$ t cloves and allspice
$1\frac{1}{4}$ c flour	$\frac{1}{2}$ c chopped nuts or raisins

This is a plain cake recipe varied by addition of spice and nuts or fruit and the amount of flour used, slightly reduced to allow for this addition. Or $1\frac{1}{2}$ c flour may be used and more milk added.

Mix as for plain cake, sifting spice with flour, a small portion of which has been reserved to sift over nuts or raisins, which may be added before egg whites are folded in.

BOILED FROSTING

1 c granulated sugar
$\frac{1}{3}$ c hot water
$\frac{1}{4}$ t cream of tartar
1 egg white

Dissolve sugar and cream of tartar in hot water and then boil without stirring until syrup taken up on fork or skewer will thread. Take from stove. Let cool slightly while beating one egg white stiff. Then pour hot syrup over egg in fine stream, beating well. When it thickens and is perfectly smooth, pour over cake.

PLAIN PASTRY

1 c flour
$\frac{1}{4}$ t salt
$\frac{1}{8}$ t baking powder
$\frac{1}{4}$ c shortening
$\frac{1}{4}$ c cold water

Sift together the dry ingredients. Baking powder may be omitted. Cut in the shortening as for baking powder biscuit. Use knife to cut or mix in water. The amount of water used will vary with the flour, so the proper consistency of dough must be learned rather than to place dependence on the measure of water. Dough must neither sticky nor crumbly, and must be easily lifted from the bowl in one mass. If chilled before rolling, it may be more easily handled.

Toss on lightly floured board to coat with flour. Roll dough lightly, keeping in circular shape. Roll very thin. This will make one small double crust pie. For 9 inch pan about $1\frac{1}{4}$ c flour required.

SINGLE CRUST PIE

Roll dough larger than the tin. Full rather than stretch over the tin as crust shrinks in baking. Flatten the crust to tin to press out air. If it is to be filled after baking, prick with fork. If for single crust pie, build up ridge to make greater depth and groove or "flute" the ridge in order that heat may stiffen it more quickly. If desired, crust may be fitted over outer surface of tin.

CUSTARD PIE

2 eggs or more

3 tb sugar

$\frac{1}{8}$ t salt

$1\frac{1}{2}$ c milk

nutmeg

Beat egg slightly. Add sugar, salt and scalded milk. Line pan and build up rim. Strain in mixture, sprinkle with nutmeg. Have hot oven at first to stiffen crust quickly, then decrease heat and finish baking, slowly.

RAISIN PIE

$1\frac{1}{2}$ c raisins

2 eggs

1 lemon

$\frac{1}{4}$ t salt

$\frac{1}{4}$ c sugar

Siew raisins till soft enough to strain thru colander. There should be about $1\frac{1}{2}$ c pulp. Add yolks, slightly beaten, salt, juice and grated rind of 1 lemon and sugar. The sugar may be omitted if desired. Cook up. Fill baked crust. Beat whites stiff and spread on top. Place in oven to cook and to brown slightly.

DOUBLE CRUST PIE

Fit the lower crust as for single crust pie but do not build up edge. Have upper crust rolled out before filling is put in, or else lower crust will become soaked and soggy. The filling should not be piled high, but leveled to avoid cooking over while baking. Moisten the edge of the lower

crust. The upper crust should be rolled a little larger than needed. Perforate, then place loosely, that is, not stretched, over the filling and press edges together. Sometimes for berry pies the lower crust is folded over the upper crust thus making a thick three layer edge to prevent the filling from boiling out.

DRIED APPLE PIE

$\frac{3}{4}$ c dried apple
 $\frac{3}{4}$ c sugar
4 or 6 cloves or $\frac{1}{4}$ t cinnamon
2 tb butter
1 slice lemon

Wash the apples and soak over night. Stew slowly without adding more water for several hours. Fill lower crust. Add sugar, lemon, spice, and butter placed in bits over top. Fit upper crust. Begin baking in hot oven decreasing the heat. If fresh apples are used, it will require from 4 to 6 for a pie.

DRIED APRICOT PIE

$\frac{3}{4}$ c dried apricots
1 c sugar
2 tb butter

Prepare as for dried apple.

Other dried fruit may be used in similar way.

TURNOVERS

Use of left over dough.

Cut dough in pieces about four inches square. Place 1 tb lemon filling, jelly or fruit on half of dough. Perforate the other half with fork so as to allow steam to escape. Moisten edge with water. Fold dough into triangular shape, pressing down the edges. Bake. Other shapes may be used.

LEMON TURNOVER FILLING

2 tb butter	1 c sugar
2 tb cornstarch	1 lemon
$\frac{3}{4}$ c water	$\frac{1}{2}$ c currants or raisins
1 egg	

Melt butter, add cornstarch. Cook till foamy. Add water and lemon juice. When thick and smooth, stir in beaten egg and cook three minutes longer. Then add sugar, a little grated lemon rind, and currants or raisins. Chopped nuts may be used.

From Home Science Cook Book.

CRANBERRIES

1 qt cranberries

1 c water

1 $\frac{3}{4}$ c sugar

The general rule is: Use one-fourth as much water as cranberries. Add one-third as much sugar as cranberries.

Have water boiling. Add berries, cover, and cook till berries have burst outer skin. Add sugar and boil few minutes longer. Pour into mold. If desired, cranberries may be steamed before sugar is added.

PRUNES

Wash, soak over night. Heat gradually in water in which they are soaked, and cook slowly (on back of range or over asbestos mat), closely covered, till skins are tender, letting water cook away till syrup is thick. They are best cooked in earthen jar, slowly for six hours. Most prunes contain so much sugar that lemon juice improves the flavor. Seldom do they need sugar.

PRUNE PUFF OR SOUFFLE

1 c chopped or strained prunes

3 egg whites

$\frac{1}{4}$ c powdered sugar

Use cooked prunes. Chop up fine or put thru strainer. Beat egg whites stiff, add powdered sugar slowly, beating all the time. Fold into prunes. Place in buttered pudding dish, set dish in pan of hot water, and bake in moderate oven about ten minutes. Serve with soft custard made with yolks of eggs, or with whipped cream.

Other dried fruit may be used instead of prunes.

	Water %	Prot. %	Fat %	Chy. %	Ash %
Dried Apples	28.1	1.6	2.2	66.1	2.0
Fresh Apples	84.6	.4	.5	14.2	.3
Dried Apricots	29.4	4.7	1.6	62.5	2.4
Fresh Apricots	85.0	1.1		13.4	.5
Dried Prunes	22.3	2.1		73.3	2.3
Fresh Prunes	79.6	.9		18.9	.6

DRIED LEGUMES

All dried legumes should be carefully picked over, washed and soaked over night in cold water. In the morning place in fresh water. Add $\frac{1}{4}$ t soda to each quart of legumes. Cook slowly until the outer skins begin to burst. Drain, add more boiling water and stew till tender.

Butter, salt and pepper should be added before serving, or they may be cooked with a piece of salt pork or bacon, which gives both fat and flavor, or, white sauce, brown sauce or tomato sauce may be added, following the usual proportion for the use of white sauce with vegetables; or legumes cooked very soft may be put thru strainer and the pulp used in making cream soup. The general proportion for these soups is:

$\frac{1}{2}$ to 1 c dried legumes

1 qt white sauce III

Seasoning. If you have legumes already cooked, use 2 to 4 times as much liquid as vegetables, depending on consistency desired.

SUCCOTASH

1 c dry lima beans or 2 c stewed

$\frac{1}{4}$ lb salt pork

1 can corn

Prepare beans and cook with salt pork cut in cubes. Let water boil down till beans are rather dry. Add corn, cook up. Season

Fresh lima beans and green corn cut from cob make more palatable succotash. Take equal measures of each and cook together with pork for about one hour.

KIDNEY BEANS—SPANISH STYLE

$\frac{1}{2}$ c onions

1 c stewed kidney beans

1 green pepper

Slice onions and pepper. Boil all together until onions are tender and much water has evaporated from tomatoes. Season well. A little cayenne pepper may be added.

From Home Science Cook Book.

	Water %	Prot %	Fat %	Cbhd %	Ash %
Dried Beans	12.6	22.5	1.8	59.6	3.5
Dried Peas	9.5	22.4	.1	62.	2.9
Dried Limas	10.4	18.1	1.5	65.9	4.1

PEANUT BRITTLE

1 c sugar

$\frac{3}{4}$ c peanuts

spk soda, if desired

Put shelled peanuts, chopped if desired, on well buttered pan and set in hot place. Melt sugar, stirring constantly and with considerable pressure. When sugar becomes golden brown liquid, stir in hot nuts very quickly. Pour into pan and spread thin by tilting pan. If a porous result is desired, add the speck of soda just before stirring in nuts.

BUTTER SCOTCH

1 c brown sugar

$\frac{1}{2}$ c water

1 t vinegar

4 tb butter

Boil together sugar, water and vinegar for ten minutes, then add butter and boil till "hard crack", (310° F) that is, until brittle. Turn into greased pan.

FONDANT

1 c sugar

$\frac{1}{4}$ c water

$\frac{1}{8}$ t cream of tartar

Dissolve sugar in water, add cream of tartar. Have low fire. Boil slowly. Wipe crystals from sides of sauce pan with damp cloth on fork. Cover at first, as condensing steam on cover helps wash down crystals. Do not stir or jar. Be sure there are no sugar crystals on testing skewer. Boil to "soft ball" stage, (238° F) that is, a little dropped into cold water can be molded into soft ball between fingers, or until it "threads". Pour out on slightly buttered plate. Let stand, without jarring, until cool, then beat vigorously until it becomes white and creamy in texture. When cool and firm enough, knead until smooth. Wrap in paraffin paper and put in cool place until ready to mold.

MOLDING FONDANT

Factory made candies are suggestive of many shapes and varieties into which home made candies may be molded.

Divide fondant into as many parts as colors and flavors are desired.

Add color sparingly with tooth pick.

Put in desired flavor in same way, at same time time.

Knead in color and flavor.

Shape candies, making them small, uniform in size and attractive as possible.

Use fruit and nut (sparingly) to harmonize with color and flavor.

Colored fondant may be melted over water and used for dipping.

Chocolate for dipping should also be melted over water. Use candy dipper, or if not available, tooth picks or fork.

PAN BROILED STEAK

Trim fat from steak, also part of bone, if desired. Wipe with damp cloth. Heat frying pan till very hot, or until blue smoke arises. Rub surface of pan with little fat. Place steak in pan, searing it quickly, first one side, then on the other. Be careful in turning, not to pierce with fork. After both sides are seared, reduce heat under the pan and cook steak more slowly, turning every 10 seconds. Stand on edge to brown fat. Keep pan free from fat. Steak is done rare, when well browned, and puffy. If one inch thick, this will take about 8 minutes. If desired well done, it will require 12 to 15 minutes or more.

OVEN BROILED STEAK

For gas stove, use oven broiler. Heat till very hot. Brush broiler with melted fat. Place steak near blaze until seared and browned, then place farther from blaze and cook slowly, turning frequently. If coal or wood range is used, broil steak over coal, on wire broiler, following same directions.

SOUP STOCK

2 lbs meat and bone	1 t sweet herbs
2 qt cold water	1 small bay leaf
$\frac{1}{2}$ c minced onion	1 sprig parsley
$\frac{1}{2}$ c carrot	1 piece celery root
$\frac{1}{2}$ c turnip	4 cloves
6 peppercorns	

Cheap cuts of meat, shin, or neck, joints, and small scraps of meat such as the flank end of steak, or left overs and bones of roasts, may be used for soup stock. Beef, veal or chicken are most commonly used. Cut the meat into small pieces and wipe clean. In general, use twice as much meat as bone, and for each pound of meat and bone use, about one quart of water. Put the meat and bone into cold salted water, and if possible, let soak for an hour. Then place over low fire and simmer gently about three hours. If vegetables are to be used for seasoning add now, allowing from half cup to cup of mixed vegetables for each pound of meat used. These vegetables may be onion, carrot, turnip, peppers, celery, or cabbage, using such combinations as are desired. Mixed herbs and spices may be tied in cheese cloth and added, and left in simmering soup as long as desired. Pepper corns, cloves, bay leaf, parsley, celery salt, mace, thyme, and majorum, may be used as desired.

After vegetables and seasonings are added, cook two hours or more. If clear soup is desired, the froth should be skimmed from stock as it rises, otherwise it is not necessary. For clear soup, strain. cool. Then remove

cold fat by dipping it off with spoon, and then removing finer particles by means of piece of cheese cloth dipped in ice water, or with piece of ice folded within cheese cloth.

It is usually well, in preparing soup stock, to prepare larger quantity at a time. By placing in sterilized jars, in cool place, it may be kept several days.

After stock has been strained and cooled, the lower portion will be found to be thicker and contain the largest amount of solid and nutritive material. Often this may be used for thick soup or sauces. while the upper part, with less waste, may be used for clear soups.

TO CLEAR SOUP

Use 1 egg white to each quart of cold stock. Beat egg slightly, and add to stock. Heat gradually till near the boiling point, stirring all the time. Cook gently for fifteen minutes. Remove to back of range and add $\frac{1}{4}$ c cold water. Let stand few minutes, then strain through cheese cloth placed over strainer. Heat, add any further seasoning desired.

POT ROAST OF BEEF—GRAVY

Nearly any of the tough meats may be used. The rump or lower part of the round is preferable. Wipe meat, sear in hot frying pan, or in the kettle used for roasting. Lard outer surface if meat is lean, or few slices of salt pork may be cooked with meat. Place in kettle, add $\frac{1}{2}$ c boiling water to 2 lbs meat, and cover tightly. Cook slowly until meat is very tender and well browned, adding only enough water to prevent burning. Season when nearly done. Serve with brown gravy made with liquid left in the pan. Instead of water, strained tomatoes may be used with pot roast. For seasoning, in addition to salt and pepper, a bit of bay leaf, parsley, a few cloves, or slices of carrot may be cooked with the roast.

GRAVY

To each cup of liquid add, gradually, 2 tb of flour mixed till smooth, with an equal quantity of cold water. Cook as white sauce. Strain.

LEFT OVER MEATS—GENERAL DIRECTIONS

Almost any left over meat may be combined with other foods, well seasoned, and be made up into very palatable dishes. Beef, veal, mutton, lamb, chicken, and ham are all desirable and may be combined. Fish may be substituted for meat in many recipes.

1. Trim off carefully all non-edible parts.
2. Cut or chop meat in fine pieces of uniform size. Do not mash.
3. Since meat is cooked, protect from direct heat by sauce, crumbs potatoes, etc.
4. Sauce should be thoroly cooked before adding meat.
5. Season rather highly. Sweet herbs, onions, celery salt, paprika curry, or tabasco may be used.
6. In general, when sauce or gravy are used, take half as much sauce as meat and vegetable combined.
7. By substituting rice, or other cereal, or macaroni, for potato more variation is offered.

CASSEROLE OF RICE AND MEAT

2 c chopped cooked meat	1 tb chopped parsley
1 t salt	1 egg
$\frac{1}{4}$ t pepper	$\frac{1}{4}$ c fine bread crumbs
$\frac{1}{4}$ t onion juice	4 c cooked rice

Season the meat, mixed with crumbs and beaten egg, and add enough meat stock or boiling water to make mixture pack easily. Line a greased mold, or baking pan, with 2 or 3 c rice. Pack rice well and fill with meat, cover with the remainder of the rice, cover tightly, and steam or bake about 45 minutes. Remove from mold. Serve with tomato sauce.

SHEPHERD'S PIE OR SCALLOPED MEAT

2 c chopped cooked meat	$\frac{1}{4}$ t pepper
2 c mashed potato	$\frac{1}{4}$ t paprika
2 c left over gravy	1 t onion juice
1 t salt	1 or 2 tb butter

It is unnecessary to follow above proportions. Use available amounts of meat and potato, and gravy, and season to taste. Line bottom of buttered baking dish with well beaten mashed potato, (either hot or left over). Add thick layer of meat and gravy, then layer of potato, until dish is full. Make the top crust of potato. Dot with bits of butter. Or, meat and gravy may be placed in lower part of baking dish with single thick layer of mashed potato for the crust. Stiffly beaten egg white may be folded into mashed potatoes before adding to meat, if desired. Bake in hot oven till potatoes are brown, or if cold potatoes have been used, till thoroly heated and browned.

Crumbs, macaroni or rice may be substituted for potatoes.

MINCED MEAT ON TOAST

Use any meat, heating in gravy, white sauce, or tomato sauce. Add butter, season well, and serve on hot toast.

HASH

1 to 2 c chopped meat	1 t minced onion or celery
2 c chopped potato	3 to 4 tb butter
1 t salt	Enough milk, water or stock
$\frac{1}{4}$ t pepper	to moisten

Any available left over meat may be used, taking about equal parts of meat and potato. Chop meat first, then add potato and chop together. Season. Melt fat (1 tb to each cup of hash) in frying pan, spread hash in evenly and cook slowly for 20 minutes. Shake the pan occasionally to prevent sticking. Roll or fold like an omelet without breaking browned crust. The hash may be put in a buttered pan and baked in the oven.

From Home Science Cook Book.

BEEF STEW

2 lbs beef	1 qt stock or water
1 onion	6 potatoes
$\frac{1}{2}$ c carrot	1 t salt
$\frac{1}{2}$ c turnip	$\frac{1}{4}$ t pepper

Cut beef into 2 inch cubes. Reserve the tenderest pieces of meat. Place the tougher portions and bone into cold water or stock. Put over slow fire and heat gradually to boiling point. Dredge reserved meat with flour, and saute in marrow, drippings, or pork fat, and add to stew. Let simmer about two hours. In same frying pan, brown onion, cut in slices, and turnip and carrot, diced. Cook until meat and vegetables are nearly done, then remove bones, skim off fat and add potatoes which have been par-boiled 10 minutes, and drained. Season. Add boiling water if needed. Ten minutes before potatoes are done, add dumplings. Thicken gravy after removing meat, vegetables and dumplings.

$\frac{1}{2}$ c rice may be added 10 minutes, before potatoes are put in, if desired. 1 pt strained tomatoes may be substituted for part of water.

Left over roast beef or steak may be utilized for stew. In this case, vegetables may be put on with the meat. Mutton, lamb, or veal may be used in same way. Bones should be included for sake of juices and flavor. Gravy may be used for stock. Sweet herbs, spices, raisins, may be added in the way of flavor, if variety is desired.

DUMPLINGS

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|-------------------|----------------------|
| 2 c flour | $\frac{1}{2}$ t salt |
| 4 t baking powder | 1 c milk or water |

Sift dry ingredients together in mixing bowl. Mix to drop batter with liquid. Drop from spoon into boiling stew, being careful that there is plenty of water and no possibility of boiling dry. Cover closely and cook undisturbed, and rapidly, for from ten to twenty minutes, depending on size of dumplings.

FLANK OR ROUND STEAK, STUFFED AND ROLLED

- | | |
|--|------------------------------|
| 1 lb top round, or flank $\frac{1}{2}$ in. thick | 1 onion sliced |
| 2 or 3 small slices suet | $\frac{1}{4}$ c carrot cubed |
| 1 c boiling water or stock | |

STUFFING

- | | |
|-----------------------------|-------------------------|
| 1 c crumbs | 2 tb chopped celery |
| 2 tb butter (melted) | $\frac{1}{2}$ t salt |
| 2 tb parsley | $\frac{1}{8}$ t paprika |
| $\frac{1}{2}$ t onion juice | |

Trim edges of steak, spread over it stuffing, roll and tie it, and lay it on onion and carrot in pan with suet on top. Pour the water or stock into pan, cook closely covered for 20 minutes or more in a hot oven, then uncover and cook 30 minutes longer. Serve with brown gravy made from drippings in pan.

BEEF LOAF

- | | |
|--------------------------------|------------------------------|
| 2 lbs beef | 1 tb lemon juice, if desired |
| $\frac{1}{4}$ lb fat salt pork | $\frac{1}{2}$ c dry crumbs |
| 2 t salt | $\frac{1}{4}$ c milk |
| $\frac{1}{2}$ t pepper | 2 eggs |
| 1 tb chopped parsley | 1 onion |

Select lean beef, remove skin and membrane, chop fine with salt pork. Add crumbs, seasoning. Brown minced onion in little fat, before adding. Beat eggs slightly, add with milk, mix up well. Pack in mold, such as coffee or baking powder tin, cover tightly and steam for two hours or longer, then brown in oven, basting with melted fat. Or, pack in bread pan, smooth evenly on top and bake in slow oven two hours or more, basting frequently. Or, meat may be shaped into loaf in roaster and baked in oven. May be served hot, with brown gravy or tomato sauce, or may be used cold. Veal or mutton may be substituted for beef.

VEAL CUTLETS

2½ lbs veal (from round)	Fine bread crumbs
salt	1 egg
pepper	1 tb water
4 tb drippings or butter	

Wipe meat and cut into pieces for individual serving, removing bone, skin, and tough membranes. Skewer small pieces of meat together with wooden tooth-picks. Beat egg and water, so that white is well broken, but not light. Roll in sifted, seasoned bread crumbs, dip in egg (using two knives, or knife and fork to handle), then roll in crumbs again. Melt fat in frying pan. When hot, brown cutlets quickly on both sides. Pour sauce over cutlets, cover, then cook at low temperature for 1 hour or until tender, turning occasionally. Cutlets may be browned in deep fat, in which case, transfer to sauce pan to finish cooking.

SAUCE FOR CUTLETS

2 tb fat	⅛ t pepper
¼ c flour	1 pt stock, water, or strained tomato juice
½ t salt	2 tb chopped parsley, or lemon juice, or
1 t Worcestershire	horseradish

FRENCH FRIED POTATOES

Wash and pare small potatoes. Cut into eighths, lengthwise. Soak 1 hour or more in cold water. Take from water, dry between towels. Fry in deep fat till golden brown. Drain on absorbent paper. Sprinkle with salt.

SARATOGA CHIPS

Wash and pare potatoes. Slice thin with vegetable cutter into a bowl of cold water, then finish as with French fried potatoes.

FRYING—GENERAL DIRECTIONS

1. Use lard, snow drift, crisco, or other vegetable fat, or part of these and part clarified beef drippings.
2. Use a deep kettle, an iron one is best.
3. Heat the fat till very hot, or until blue smoke arises.
4. Test by dropping in a bit of white bread crumb, which should become brown in half a minute for cooked food, or in one minute for uncooked food like, doughnuts or fritters.
5. Fat should be about 345° F for batters, about 380° F for croquettes and about 400° F for Saratoga potatoes.
6. Use frying basket for croquettes, Saratoga potatoes, etc., but not for batters and doughs.
7. Have ready a tin plate on which to place frying basket while filling it, also a pan covered with absorbent paper on which to drain food when fried.

8. Place food in basket, or drop from wire spoon carefully into fat, being careful not to spatter.

9. Do not put too much into fat at one time as this lowers temperature.

10. Keep food under fat all the time. Avoid dipping up and down.

11. When brown, lift out, drain well over the fat and then on the paper.

TO CLARIFY FAT

Cut fat in small pieces, removing skin and bits of lean meat. Wash, cover with cold, salted water, and leave in cold place for several hours. Drain off water, and, if possible, soak again, and drain. Cook slowly till fat has melted, and scraps are crisp, but not brown. Strain and cool. Slices of raw potato or pieces of charcoal cocked in fat before straining, will absorb impurities. Beef, mutton, pork and chicken may be combined.

CASSEROLE OF MUTTON

Wipe two and a half pounds mutton or lamb cut from neck. Trim off outer skin and surplus fat. Put in hot frying pan, and turn frequently until seared, and browned on both sides. Brush over with melted butter, or beef drippings. Season with salt and pepper, and bake in casserole dish in slow oven until tender, about an hour or more. Cut carrot strips, and saute in one tablespoon bacon fat or beef drippings, to which has been added one tablespoon finely chopped onion. Add to mutton with one cup diced potato or potato balls, two cups thin brown or tomato sauce. Season to taste. Cook until vegetables are tender, then add about a dozen small onions cooked until tender, then drained and sauted in butter to which is added one tablespoon sugar. Onions need not be sauted unless they are desired glazed. Turnips as well as carrots may be added. Parsley and other herbs may be added for seasoning. The vegetables may be cut in fancy shapes with vegetable cutter. Serve from casserole dish. Leftover mutton or lamb from roast may be utilized in this way.

MUTTON CHOPS

Wipe with wet cloth; remove skin and surplus fat. If desired, rib chops may have meat trimmed down from bone two inches, forming "French" chop; or meat may be cut from all the bone, rolled and skewered with tooth picks. Chops may be oven broiled or pan broiled. Follow directions as for broiling steak. Stand them up on the fat edge to brown the fat, without overcooking the meat. Time for cooking will depend on thickness of chop, and whether it is to be served rare or well done. In general, five minutes for rare chops one inch thick, eight minutes for medium, and twelve to fifteen for well done. Drain on absorbent paper. Serve hot.

POTATO SOUFFLE

1 c riced potatoes	1 egg
1 tb butter	$\frac{1}{2}$ t salt
$\frac{1}{4}$ c milk	$\frac{1}{8}$ t pepper
1 t chopped parsley	

Add butter, milk, beaten egg yolk, salt, pepper and parsley to riced potatoes and mix well. Cut and fold in stiffly beaten white. Bake in well buttered dish, or individual molds in moderate oven, till egg is cooked. Serve immediately.

ROAST PORK

Wipe pork, sprinkle with salt and pepper, place on rack in dripping pan or roaster, and dredge meat and bottom of pan with flour. Place in moderate oven and roast three or four hours, basting every fifteen minutes with fat in pan. For roast pork, the usual rule is twenty-five minutes to the pound. Make gravy, using same proportions as white sauce.

HAM—BROILED

Soak thin slices of ham, from which rind has been trimmed, one hour in lukewarm water. Drain, wipe, and broil about five minutes.

BACON

Place thin slices of bacon (from which the rind has been removed) closely together on a fine wire broiler; place broiler over dripping pan, and bake in a hot oven until bacon is crisp and brown, turning once. Drain on absorbent paper. Save fat for frying purposes. Bacon may be put in hot frying pan and fried till crisp and brown, turning once. It is usually well to drain off part of the fat during the frying.

ONIONS—STUFFED

10 medium onions	$\frac{1}{2}$ c white sauce
$\frac{1}{2}$ c chopped ham or nuts	$\frac{1}{2}$ c bread crumbs
$\frac{1}{2}$ c chopped onion	salt, pepper

Remove skins from onions, and parboil ten minutes in uncovered kettle in boiling, salted water. Turn upside down to cool. Remove part of centers, or centers may be cut out before onions are boiled. Fill with chopped meat, onion, white sauce, bread crumbs and seasonings which have been well mixed. Place in a shallow, buttered baking pan, sprinkle with buttered crumbs, and bake in a moderate oven until onions are tender.

Any other cold, cooked meat, finely chopped, may be substituted for the ham.

PREPARATION OF FISH FOR COOKERY

Cover board or table with newspaper before laying fish down. Remove scales by scraping a dull knife from tail to head, snapping scales off. Rinse knife in water occasionally. Wet hands before touching fish, and odor will come off more easily. Dip hands in salt so that fish will not slip, and hold by tail. If inner organs have not been removed in market, make a lengthwise incision on underneath side, and draw or scrape them out carefully, so that membrane which lines cavity is not broken. Remove head if desired; if left on, cut out eyes. Remove fins with scissors. Wash inside and out in salted water. Sprinkle fish with salt if to be kept over night. Handle fish carefully when cooking, as flesh falls apart easily, and have all utensils well greased as skin sticks readily when heated. When fish is cooked the flesh separates from the bone.

FISH—STUFFED AND BAKED

Clean fish; sprinkle with salt, and fill with stuffing, sew or skewer the edges together. Cut gashes on each side across the fish, and put strips of salt pork into them. Fold a piece of well greased paper about tail. Grease the baking pan and line it with greased paper. Place the fish upon it, dredge with flour, salt, and pepper, and lay salt pork strips about it. Place in a hot oven. Baste every 10 minutes. Cook 15 minutes to the pound, and 15 minutes over. Add water to pan if necessary.

STUFFING FOR FISH

2 c stale bread or cracker crumbs	1 t onion juice
$\frac{1}{2}$ t salt	1 t chopped parsley or green pepper
$\frac{1}{8}$ t pepper	1 t capers
Cayenne	$\frac{1}{4}$ c melted butter or part beef drippings

Mix in order given. Instead of capers a teaspoon lemon juice, or vinegar, or of chopped pickle may be used. Less butter may be used and some water used to moisten dressing.

FISH—BROILED

Clean fish, cut into pieces and lay on a well greased broiler. If fish is dry, rub it with melted fat before placing on broiler. Sear the flesh side first, then turn every 10 seconds. The length of time for cooking depends on the thickness of the fish, 20 to 30 minutes. Season with butter, salt, and pepper.

FISH—FRIED

Clean fish, cut in fillets, or sections of uniform thickness. Wipe dry, cover with well seasoned corn meal and flour (mixed in equal parts), or fine bread crumbs, and egg. Cook in deep fat or saute in salt pork fat. Drain on absorbent paper.

SALMON LOAF

$\frac{1}{2}$ to 1 can salmon	1 t salt
2 eggs	$\frac{1}{8}$ t pepper
$\frac{1}{2}$ c milk	1 t lemon juice
1 c stale bread crumbs	1 t or more chopped parsley

Remove skin and bone of salmon. Mince fish with silver fork and add eggs, well beaten. Add crumbs, buttered if desired, and seasoning. Mix well. Put in a greased mold, cover and steam or bake 1 hour. Hard cooked egg, slices of pickle, or olives may be imbedded in fish mold. Left-overs of baked fish and stuffing may be utilized. Serve hot with white sauce, or the following:

SAUCE FOR FISH

2 tb butter	liquid from fish
2 tb flour	2 tb lemon juice
1 $\frac{1}{2}$ c milk, scalded	1 egg yolk

Melt butter, add flour, then heated milk gradually. Add liquid from fish and lemon juice just before removing from fire. Just before serving, beat sauce into yolk of egg. Serve hot. 1 tb catsup may be added if desired.

CODFISH BALLS OR CODFISH PUFF

1 c salt codfish	1 tb butter
2 c potatoes	$\frac{1}{8}$ t pepper
1 egg	

Wash fish in cold water and pull into small pieces, keeping fish in water while doing so. Wash and pare the potatoes and cut into pieces. Cook the fish and potatoes together in boiling water until the potatoes are tender, then drain and shake over the fire until dry; mash, and beat thoroly with a wire potato masher. Add the butter, and pepper and salt if needed. Cool slightly, then add beaten egg, and beat until light. Take up mixture in a spoon, mold slightly with a knife, and slip into deep hot fat. Fry until brown, about 1 minute. Drain on absorbent paper.

Mixture for codfish balls may be served hot, without frying, or turned into a buttered baking dish and browned in the oven and served as a baked dish, or shaped into flat cakes and sauted in frying pan. To make codfish puff, prepare in same manner, only use two well beaten eggs. Cook like an omelet.

OYSTERS—FRIED

Select large oysters, remove pieces of shell, wash and wipe dry. Roll in well seasoned, dry, bread crumbs, which have been sifted. Dip in egg (beaten with 1 tb water or oyster juice), and again in the crumbs. Fry in deep fat 1 minute. Drain on absorbent paper. Or, saute in frying pan, using one table spoon fat to cup of oysters.

OYSTERS—SCALLOPED

1 qt oysters	cayenne
2 c crumbs	6 tb butter
$\frac{1}{2}$ t salt	$\frac{1}{2}$ c liquid

Wash oysters with $\frac{3}{4}$ c cold water in colander and remove pieces of shell. Strain the juice. Melt butter, add crumbs and seasoning. Line the bottom of a greased baking dish with $\frac{1}{4}$ the crumbs then add $\frac{1}{2}$ the oysters. Add $\frac{1}{4}$ more crumbs, and remainder of oysters and liquid, which may be liquid from oysters, or milk. Cover with buttered crumbs. Bake in a moderate oven 30 to 40 minutes. A large shallow pan is always preferable to a deep baking pan.

GRAPE FRUIT—PREPARATION AND SERVING

Wipe grape fruit and cut in halves crosswise. With a small, sharp-pointed knife make a cut separating pulp from skin around entire circumference, then make cuts separating pulp from membrane which divides fruit into sections. Remove tough portion in one piece, which may be accomplished by one cutting with scissors at stem or blossom end close to skin. Sprinkle fruit pulp left in grape fruit skin with sugar, if desired. Let stand ten minutes, and serve very cold.

OYSTER STEW

1 qt oysters	$\frac{1}{2}$ tb salt
1 qt milk	$\frac{1}{8}$ tb pepper
$\frac{1}{4}$ c butter	

Clean the oysters by placing in colander and pouring over them $\frac{3}{4}$ c cold water. Pick over carefully, removing any bits of shell that adhere. Reserve liquid, heat to boiling point, strain through double cheese cloth over wire strainer. Add oysters, cook until edges begin to curl. Add oysters and liquor to hot, scalded milk: add butter and seasoning. Serve at once,

Paprika, celery salt, onion juice, parsley or mace may be used as additional seasoning, if desired.

For oyster soup, thicken the milk, using $\frac{1}{2}$ tb flour for each cup of milk. Prepare as for white sauce. Two egg yolks may be beaten and added to milk just before serving, or use water instead of milk and add 1 c cream.

MEAT CROQUETTES

Lesson to be given according to material on hand

2 c chopped cooked meat	$\frac{1}{2}$ t salt
1 to 2 c thick white sauce	$\frac{1}{8}$ t pepper

White Sauce for Croquettes

2 tb butter	1 c milk
4 tb flour	1 t salt

In general, use equal amounts of white sauce and meat. Less will be needed if meat is freshly cooked, or if canned meat is used. If very dry, more sauce may be used. Meat should be chopped fine, seasoned rather highly, then moistened with sauce as soft as can be handled. Let chill thoroly on flat dish, then divide evenly into separate portions, allowing 2 tb for each croquette. Shape into balls, cylinders, cones, or any desired shape. Roll and sift dry crumbs, beat egg with 1 tb water. Roll croquettes in crumbs, dip in egg, again roll in crumbs, and fry in deep fat, till light brown in color. Drain on soft paper. They may be served with sauce.

Any meat or combination of meats may be used. Fish, eggs and macaroni may be used in same way. Seasoning may be onion, parsley, celery salt. Lemon juice combines well with fish or chicken.

POTATO CROQUETTES

2 c mashed potatoes	1 egg or 2 yolks
$\frac{1}{8}$ t white pepper	2 tb butter
$\frac{1}{2}$ t salt	$\frac{1}{4}$ t celery salt

Beat the eggs, mix with potatoes and add other ingredients. A little milk is sometimes needed if potatoes are dry. Heat mixture in a saucepan, stirring; when it leaves the side of the pan, turn it on to flat dish; when cool, divide, shape, crumb and fry.

Other vegetables may be used in the same way

TO CLEAN AND CUT UP FOWL

1. Remove pin feathers using small pointed knife and pulling feathers with the direction of the growth of the feather, to avoid breaking skin.
2. Singe to remove long hairs, by holding over flame from gas, alcohol or burning paper.
3. Cut off head, using heavy, sharp knife or cleaver.

4. Remove feet and oil gland.
5. Cut off legs, following the natural division of the muscles.
6. Separate at middle joint into drum stick and second joint, by cutting through flesh and unjointing.
7. Cut off wings and separate at middle joint.
8. Separate body by cutting carefully between breast and back thru ends of ribs on each side.
9. Disjoint neck from breast.
10. Separate neck piece from end of back, and carefully remove entrails lying in back.
11. Remove kidneys and lungs.
12. Separate breast bone, or "wish bone," with the meat that is on it from the breast.
13. Cut breast across into two pieces with cleaver. If large, it may be further divided.
14. Wash carefully.
15. Prepare giblets as for roast.

STEWED FOWL

After cleaning and cutting up fowl, cover pieces with boiling water, and cook rapidly 15 minutes, then add 1 tb salt, and cook at a low temperature until tender, 1½ hours or more. Add dumplings, if desired. Thicken gravy before serving.

FRICASEED FOWL

Before putting on to stew, dredge fowl with flour and brown well in hot fat. Proceed as for stew, thickening stock as for gravy. Egg yolks may be used for part of thickening, if desired. Chopped parsley, celery or celery salt, or green pepper may be used for seasoning, if desired.

To arrange bird on platter, lay neck, breast and back in center, in order. On the sides of the breast, lay cut of wings, on the sides of the back lay drum sticks and second joints. Lay giblets between wings and second joints.

POULTRY—TO DRESS AND CLEAN

1. Remove pin feathers.
2. Singe over flame.
3. Cut off head.
4. Turn back skin from neck, and cut off neck close to top of breast. Avoid cutting skin.
5. Place first two fingers under skin of breast, loosen and break

membranes attaching wind pipe and crop. Withdraw them. If necessary to cut skin, cut on back.

6. Cut thru skin around legs, half inch below the joint. Be careful not to cut through tendons. With skewer, remove tendons. In all but very young birds, each must be removed separately.

7. Make incision through skin at end of breast bone, or under one of the legs. Make only small opening.

8. Insert first two fingers and pass them around close to body, between body and internal organs, at first, close to breast bone, and then beyond liver and heart.

9. After organs are loosened, take hold of gizzard and draw out gently. Rest will follow. Avoid breaking gall bladder which lies under liver.

10. Cut away anal cavity.

11. The lung and kidneys, lying in the hollows of the back bone must be removed separately and very carefully.

12. Cut out oil sac.

13. Cut gall bladder away from liver.

14. Press heart to extract blood.

15. Remove outer coat of gizzard by cutting through muscular coat to inner lining. Lining membrane must not be cut. Hold in two hands, with the thumbs on each side of incision and pull muscular coat from inner sac.

16. Wash fowl thoroly inside and out, with cold water containing little soda or charcoal. Wipe. Wash giblets.

ROAST FOWL

After fowl has been dressed and cleaned, fill with stuffing, truss securely in compact shape, and lay on its back in roasting pan. Dredge with flour, salt and pepper, dot with bits of butter, if desired, and place in hot oven. As soon as flour is browned, begin to baste with cup of hot water every ten minutes. Cook until breast meat is tender, about $1\frac{1}{2}$ hours for 4 lbs fowl. Longer for larger fowl.

STUFFING FOR ROAST FOWL

4 c bread crumbs

2 t salt

$\frac{1}{4}$ t pepper

1 egg slightly beaten (if desired)

1 t poultry seasoning or onion

$\frac{1}{4}$ c melted butter

$\frac{2}{3}$ c boiling water

Mix in order given, combine thoroly and use to stuff fowls. Butter may be omitted if fowl is fat, or beef drippings may be substituted. If a dry, crumbly dressing is desired, omit the boiling water

JUNKET

2 c milk	2 t liquid rennet, or $\frac{1}{2}$ junket tablet
2 tb sugar	2 t luke warm water
$\frac{1}{2}$ t vanilla	

Heat milk to lukewarm, (99° F) in double boiler. Add sugar and flavoring, and stir until sugar is dissolved. Add rennet dissolved in water, and pour into dish from which custard is to be served. Let stand until cool and firm. Serve with cream, soft custard, fruit, or fruit syrup. Cinnamon, nutmeg, cocoanut, chocolate, cocoa, or other flavor may be substituted for vanilla.

COTTAGE CHEESE—I

2 c whole milk	1 t butter
$\frac{1}{8}$ t salt	2 tb cream

Let milk stand in warm place (90° to 99° F), until it curdles. Drain thru cheese cloth placed over colander; press until whey ceases to separate; add butter and cream, and shape into balls or cakes, with spatulas. Or, use sour milk and heat it gently in double boiler until the curd forms, then proceed as above.

COTTAGE CHEESE—II

2 c whole milk
$\frac{1}{2}$ junket tablet dissolved in 2 t lukewarm water
2 tb cream

Heat milk until lukewarm; add rennet and let stand until firm; then cut into dice with a knife and drain in cheesecloth placed over colander; press under weight until whey no longer can be pressed out; season with salt; moisten with cream and form into balls. Minced onion, chives, or caraway seed are seasonings that may be added to cottage cheese.

BUTTER

$\frac{1}{2}$ c cream
$\frac{1}{8}$ t fine salt

Shake cream in wide mouthed bottle, or beat with Dover beater in bowl covered with paper to prevent loss of cream, until butter separates from liquid. If beating be continued the butter will collect in large lumps which may be easily taken out with spoon or skimmer. Press out as much of the milk as is possible with a wooden spoon, and wash butter in cold water until water is clear. Remove to dry plate, sprinkle with salt, and work with a wooden spatula until salt is incorporated. Form into cake or into balls.

CHEESE FONDU

1 c stale bread crumbs	1 tb butter
1 c or $\frac{1}{4}$ lb cheese (cut fine)	$\frac{1}{2}$ t salt
1 c milk	$\frac{1}{8}$ t mustard
2 eggs	$\frac{1}{8}$ t paprika

Mix bread, milk and cheese in a double boiler. When cheese is melted, add eggs, beaten until well mixed, and seasonings. Cook until thick and perfectly smooth.

The same mixture may be prepared by placing bread and cheese in layers, in buttered pudding dish, and pouring over it milk, mixed with egg and seasoning; then baking till firm, in moderate oven, testing with knife, as for all custard mixtures.

Macaroni, rice, or other cooked cereal may be substituted for bread crumbs. More or less cheese may be used. One egg will often be sufficient, or three may be preferred. Whites and yolks may be separated, and whites stiffly beaten, folded in last. Then bake in buttered pudding dish.

CHEESE SOUFFLE

1 c white sauce II	$\frac{1}{2}$ t salt
1 c chopped cheese	$\frac{1}{4}$ t soda
3 eggs	spk cayenne

In hot, white sauce, melt cheese, cut very fine. Let stand till cool. Add yolks, beaten till light, also soda, and seasonings. Fold in stiffly beaten egg whites. Turn into buttered baking dish. Place in pan of warm water and bake in moderate oven, till firm and well puffed up. Serve immediately.

RAREBIT

$\frac{1}{2}$ c milk or cream	$\frac{1}{2}$ t salt
2 c or $\frac{1}{2}$ lb cheese	spk cayenne
2 tb butter	$\frac{1}{4}$ t soda
2 eggs	

Put milk and grated cheese in upper part of double boiler, or blazer of chafing dish. When cheese is melted, add butter. Pour this mixture over eggs, slightly beaten; then return to double boiler. Add soda and seasoning. Stir constantly, and cook until smooth and thick. Serve at once, over slices of toast, or hot crisp crackers.

BOILED EGGS

Put eggs in saucepan of cold water and heat. By the time water boils, the eggs will be ready to eat. Or, put eggs in boiling water and place dish containing them where water will keep hot, but cannot boil. In five minutes, the white will be soft and jelly-like. In ten minutes the yolk will begin to be firm. Water at 180° F is about right for cooking eggs. For hard eggs, cook in water of 180° F for half an hour, or longer.

From Home Science Cook Book

POACHED EGGS

Butter the inside of a shallow pan, and of as many muffin rings as eggs to be poached. Put muffin rings into pan and pour over them enough boiling, salted water to cover eggs, allowing 1 t salt to 1 pint of water. Place pan of water where it will keep hot, but not boil. Break eggs, one at a time, carefully into a cup and slip gently into muffin rings. The yolk must not be broken, and the water must not boil. As the white begins to coagulate, dip some of hot water over eggs with spoon, until film forms over yolks. When eggs are jelly-like, remove muffin rings; gently lift eggs with a skimmer, drain, and place on slices of hot buttered toast. The eggs may be poached without using muffin rings, but require trimming to give edges a good shape.

Milk, stock, tomato sauce, or gravy may be substituted for water, and served over the toast. Grated cheese, minced chives, or chopped meat may be sprinkled over toast, before eggs are placed on it, or may be lightly sprinkled over eggs. Poached eggs may be served on fish balls, meat cakes, potato cakes, mound of spinach, or other vegetables.

FRIED EGGS

Use $\frac{1}{2}$ tb fat (butter, bacon or ham fat, clarified beef drippings, or vegetable oil), for each egg. Melt fat in omelet pan. When hot, slip in egg, and let cook over low fire, till jelly-like. They may be turned, if desired. Edges of eggs should not become brown or crisp. Or, a quantity of fat may be used, bacon or ham fat being preferable. Slip egg into fat, and with spoon dip fat over egg. Remove with skimmer.

SCRAMBLED EGGS

6 eggs	$\frac{1}{8}$ t pepper
6 tb milk	$\frac{1}{2}$ t salt
3 tb butter	

The general rule is to use 1 tb milk and $\frac{1}{2}$ tb butter for each egg.

Beat eggs slightly to mix whites and yolks, add salt, pepper and milk. Put butter into hot omelet pan. When melted, pour in the mixture. Cook slowly at a low temperature, until creamy consistency, lifting from bottom of pan, with spatula, as it thickens. Do not stir, but leave in rather large masses. Serve on hot, buttered toast. Or, scrambled eggs may be prepared by placing butter and milk and seasoning in omelet pan; when hot drop eggs into this mixture. Have slow fire. Lift eggs from pan with spatula, folding over and over, till thickened.

Minced onion, chives, chopped ham, peppers, or mushrooms may be stirred in.

BAKED EGGS

Butter ramekins, or egg shirrers, or muffin tins. Break an egg into each and bake in slow oven until firm. Dishes may be lined with crumbs or chopped ham, cheese, or parsley, before putting in eggs. Thick slices of toast (about $\frac{3}{4}$ to 1 inch) cut in squares or rounds, may be slightly hollowed out in center, a bit of butter and an egg placed on each, and baked in oven.

CREAMED EGGS

By use of white sauce, following the usual rule of half as much sauce as vegetable or meat, creamed eggs may be prepared.

Cut eggs in halves or quarters, and add to white sauce, or pour sauce over eggs, on shallow dish. 1 tb curry may be used for each cup of white sauce, and curried eggs prepared. In the same way eggs may be served in tomato sauce. Serve over toast.

SCALLOPED EGGS

Chop hard cooked eggs. Use half as much white sauce as egg. Place in layers in buttered baking dish, covering with buttered crumbs. Brown in oven.

FRENCH OMELET.

6 eggs	$\frac{1}{4}$ t pepper
6 tb liquid	3 tb butter
$\frac{1}{2}$ t salt	

The general rule is for each egg, use 1 tb liquid, $\frac{1}{2}$ tb butter. Season to taste.

Break eggs into bowl, beat slightly to mix, or until they can be taken up on spoon; add seasonings and liquid, which may be cold water, milk, or stock. Have ready a smooth, hot omelet pan, (light weight, small pan is best) in which butter has been melted. Shake the pan so that every part is coated with butter. Pour beaten eggs into pan. As egg cooks, shake pan lightly, and with fork or spatula, gently lift egg. Tip pan, so that some of uncooked portion can run to side. When puffed, creamy, and lightly browned on the bottom, take pan in left hand, tilting pan downward. With knife, loosen edge of omelet from pan. Make slight cut in middle at each side, at right angles to the handle of the pan, but not entirely through the omelet. Fold quickly, and turn on to a hot plate, from which it is to be served, at once.

From $\frac{1}{4}$ to $\frac{1}{2}$ c of any meat or vegetable may be minced and seasoned, and either mixed with omelet before cooking or folded into it. If folded in, material should be hot. Minced ham, bacon, chopped cheese, or oysters, mushrooms, parsley, cooked asparagus, celery, cauliflower, spinach, peppers, or jelly may be so used.

By the use of more yolks than whites, a creamier omelet is obtained.

PUFFY OMELET OR OMELET SOUFFLE

6 egg whites	$\frac{1}{2}$ t salt
6 egg yolks	$\frac{1}{8}$ t pepper
6 tb milk	3 tb butter

Beat white of eggs stiff and dry. Beat egg yolks until light lemon color; add milk and seasonings, and beat again to mix thoroly. Fold in, carefully, the beaten whites, using a spatula; or yolks may be poured over whites gradually, beating them in. Pour into hot omelet pan, in which butter has been melted, and well coated over entire surface. Shake pan gently. Let cook till lower side is dry, and delicately colored. Remove quickly, to a moderately hot oven, to dry upper surface, not to brown it; or omelet pan may be held under low gas flame. When the upper side does not cling to spatula, and appears dry, take from oven, fold as directed in "French Omelet." Turn onto hot platter, and serve at once.

CREAMY OMELET

6 eggs	$\frac{1}{4}$ t pepper
$1\frac{1}{2}$ c white sauce II	3 tb butter
1 t salt	

Make either French or Puffy omelet using white sauce instead of water. Pour another half cup white sauce around it before serving, after it has been placed on a hot platter.

CUSTARDS

1 qt scalded milk	4 to 6 eggs
$\frac{1}{2}$ c sugar	flavoring
$\frac{1}{4}$ t salt	

Prepare according to directions previously given. The whole egg may be used, or yolks alone used, and whites saved for meringue. Prepare meringue by beating egg whites stiff and adding $\frac{1}{2}$ tb sifted, powdered sugar for each egg. Drop by spoonful in shallow pan of hot, salted water, till egg white is cooked and light. Remove with skimmer, and place over soft custard, in dish from which it is to be served. This is known as "Floating Island." Meringue may also be used with firm custard, but instead of cooking over water, spread lightly over custard, and brown slightly in slow oven. Or, egg white may be folded into soft custard, which is made with yolks only. Custard should be allowed to cool before adding eggs.

For flavor, considerable variety is offered. It may be 1 t vanilla, or lemon extract, or $\frac{1}{4}$ t extract of bitter almond. Add these when custard is partly cooled. Or, omit sugar and substitute caramel. Or, maple sugar or syrup may take the place of granulated sugar.

Add 3 to 4 tb ground coffee to milk while scalding, for coffee flavor. Strain carefully. $\frac{1}{4}$ c cocoa may be mixed with sugar, or 2 oz chocolate melted in milk, for chocolate custard. $\frac{1}{4}$ c cocoanut may be stirred in soft custard, when partly cooled, or into mixture for firm custard before baking, or cocoanut may be beaten into meringue, or sprinkled over it.

Custard may be served over fruit, and fruit juice, thickened and sweetened, used as a sauce. Peaches, berries, pineapple, orange, and bananas may be so used, as well as many kinds of preserves and canned fruits. The meringue may be flavored or colored as desired.

CARAMEL

Melt $\frac{1}{2}$ c sugar as for peanut brittle, then add $\frac{1}{4}$ c boiling water and stir until dissolved. (A larger quantity of caramel may be made, put away in glass jar and used as needed for flavoring puddings and sauces.)

CORNSTARCH PUDDING

1 qt scalded milk	$\frac{1}{4}$ t salt
$\frac{1}{4}$ c cornstarch	2 to 3 eggs
$\frac{1}{2}$ c sugar	flavoring

Prepare and cook as for cornstarch mold, previously given. When cornstarch is well cooked, blend in beaten eggs. Yolks only may be used, and stiffly beaten whites folded in when cornstarch mixture has cooled, or whites may be used as meringue. Or, more cornstarch may be used for thickening and eggs omitted; or, stiff whites may be folded in. This is often called "Blanc mange." Instead of all milk, half fruit syrup may be used. A few drops of color extract may be added to secure pudding of desired color, or meringue may be colored.

Chocolate, vanilla, cocoanut, caramel, maple, etc., may be used as flavors.

BREAD PUDDING

1 qt scalded milk	$\frac{1}{2}$ c sugar
1 c dry or	$\frac{1}{4}$ t salt
2 c stale crumbs	2 to 4 eggs

Soak crumbs in milk, add sugar, salt, and beaten eggs, also 1 tb butter, if desired. Pour in buttered, shallow baking dish, bake in moderate oven till firm, using test for firm custard; or steam, if desired, using steamer, or placing in pan of water, kept hot but not boiling.

Many variations are possible. Any of those suggested for custards may be used or, 1 c raisins, figs, dates, or nuts may be stirred in before baking. Candied ginger, orange or lemon peel may be used in same way. Jelly or conserve may be spread over top before meringue is added. A tart jelly, like plum or currant, is especially palatable. 2 t mixed spices may be used, all-spice, cinnamon, nutmeg, cloves, and ginger, if desired. Molasses may be substituted for part of sugar. Bread pudding should be creamy in texture, not solid.

RICE PUDDING

1 qt scalded milk	$\frac{1}{4}$ t salt
1 c boiled rice	2 to 4 eggs
$\frac{1}{2}$ c sugar	

Rice may be cooked in water or milk. Stir into milk, add sugar, salt, and eggs, slightly beaten. 1 tb butter may be added. Flavor as desired. Bake or steam in buttered shallow baking dish, till firm. Yolks only may be used. Meringue may be added, if desired. Many of the variations suggested for bread pudding may be used with rice pudding.

RICE PUDDING II

1 qt milk	$\frac{1}{2}$ c sugar
$\frac{1}{2}$ c uncooked rice	$\frac{3}{4}$ t salt

Stir well washed rice into milk, in buttered dish. Add sugar and salt. Flavor as desired. Bake very slowly, stirring occasionally, until rice is tender, and has absorbed all the milk. Will require several hours. Or, cook on top of stove for awhile, stirring often, then place in oven to finish cooking and brown.

TAPIOCA PUDDING

1 qt scalded milk	$\frac{1}{4}$ t salt
$\frac{1}{2}$ c tapioca	2 or more eggs
$\frac{1}{2}$ c sugar	

Stir tapioca into hot milk. Continue stirring, and when it begins to thicken, add sugar, salt, slightly beaten eggs and 1 tb butter, if desired. Flavor with nutmeg, vanilla, fruit, nuts, or fruit juice. Pour into buttered baking dish, and bake in slow oven, until firm.

Eggs may be omitted, or yolks only may be used and whites reserved for meringue. Or, the tapioca may be cooked till transparent, on top of stove, in double boiler. The stiffly beaten whites may then be folded in before serving. May be served hot, or turned into molds, and served cold. Fruit sauce, whipped cream, or soft custard may be served with it.

LEMON JELLY

$\frac{1}{4}$ box or 1 tb granulated gelatine	$\frac{1}{2}$ c lemon juice
$\frac{1}{4}$ c cold water	1 c sugar
1 c boiling water	spk salt

Soak gelatine in cold water till well hydrated. Pour over it boiling water. Gelatine must be well dissolved. Add lemon juice, sugar, spk of salt (For additional flavor, a bit of lemon rind or 1 inch stick cinnamon may have been steeped in the water). Strain thru cheese cloth over wire strainer. Pour in molds (not tin) that have been rinsed in cold water. Put in cool place to harden.

Less lemon juice and more water may be used, if desired. In this case less sugar will be needed.

ORANGE JELLY

1 tb granulated gelatine	Juice of half a lemon
$\frac{1}{4}$ c cold water	$\frac{1}{2}$ to $\frac{3}{4}$ c sugar
$\frac{1}{4}$ c boiling water	spk salt
$1\frac{1}{4}$ c orange juice	Prepare as for lemon jelly

The general rule for gelatine mixtures is, $\frac{1}{2}$ box or 2 tb gelatine to 1 qt liquid. It will vary, however, with the different brands of gelatine and depends greatly upon time for thickening, temperature and fruit used. Too much, results in leather like jelly. 2 tb gelatine to $3\frac{1}{2}$ c liquid is better for school recipes, where time is limited. For each tablespoonful of gelatine used, take $\frac{1}{4}$ c cold water for hydration, and $1\frac{1}{2}$ c of other liquid, part to be boiling water, or all fruit juice may be used, in which case gelatine must be dissolved over boiling water.

Six hours or more will be required to harden a large mold. It is usually well to prepare the day before serving. Small molds cool more quickly, and cracked ice and salt will be found an aid.

Fruit juices such as grape, strawberry, raspberry or fruit syrups may be used, and jellies of any flavor prepared. Or, wine, coffee, maple syrup, caramel may be substituted for fruit juice, or, fruit or nuts may be stirred into mixture before it is turned into molds. Gelatine salads are prepared in the same way, using celery, cabbage, or pepper, instead of fruits. Use about 1 c cut up fruit or other similar material for $1\frac{3}{4}$ c liquid. About 2 tb to $\frac{1}{4}$ c less liquid must be used for the solid substance added. Both salads and desserts may be colored. A little lemon juice brings out all other flavors. Use 1 lemon (or about 4 tb) to the quart of liquid.

ORANGE SPONGE

1 tb granulated gelatine	Juice of half a lemon
$\frac{1}{4}$ c cold water	$\frac{1}{2}$ to $\frac{3}{4}$ c sugar
$\frac{1}{4}$ c boiling water	spk salt
$1\frac{1}{4}$ c orange juice	3 egg whites

Prepare as for lemon jelly. Turn into mold. Stir occasionally until mixture begins to thicken; then add, gradually, the whites of egg, beaten stiff and dry, and beat until the whole is very light, and stiff enough to hold its shape. Pile lightly in serving dish, and serve very cold with whipped cream. Or, sponge may be molded and served with whipped cream or soft custard. Boiling water may be omitted, and $1\frac{1}{2}$ c fruit juice used, and gelatine dissolved in it over boiling water.

Strawberry, raspberry, pineapple, grape, or lemon juice may be substituted for orange juice and sponge prepared in same manner.

In the same manner, any of the jellies, with gelatine basis may be converted into sponges. Or, whipped cream may be folded in, instead of the egg whites.

ORANGE BAVARIAN CREAM

1 tb granulated gelatine	$\frac{1}{2}$ c sugar
$\frac{1}{4}$ c cold water	1 c thick cream
1 c orange juice	spk salt
Juice of half a lemon	

Prepare as for jelly, placing over boiling water to dissolve gelatine. Set in cold place and stir until it begins to thicken. Whip cream, and beat cream evenly into gelatine mixture, part at a time. When chilled enough to hold its shape, turn into mold.

PINEAPPLE BAVARIAN CREAM

1 tb granulated gelatine	Juice of half a lemon
$\frac{1}{4}$ c cold water	1 c cream
1 c grated pineapple	spk salt
$\frac{1}{4}$ c sugar	

The only difference in preparation here is that pineapple, if not canned, should be boiled with sugar. Strain or not, as desired. Any of the variations suggested for jellies and sponges apply also to the creams, or half egg white and half whipped cream may be used, if desired.

VANILLA BAVARIAN CREAM

1 tb granulated gelatine	3 egg yolks
$\frac{1}{4}$ c cold water	1 t vanilla
1 c milk	1 c thick cream
$\frac{1}{4}$ c sugar	spk salt

Soak gelatine in cold water. Scald milk, add beaten egg yolks and sugar. Cook as for custard. Add gelatine, strain. Set in cold place and stir until mixture begins to thicken. Then fold in whipped cream as for fruit Bavarian Creams.

Caramel, or maple syrup may be substituted for the milk and prepared in the same way. With maple, omit sugar. Or, cold strong coffee may be used instead of cold water, or $\frac{1}{4}$ c ground coffee steeped in the milk.

2 squares chocolate may be used instead of vanilla or any other liquid flavoring used. Any of the creams may be colored, as desired.

COCOA

2 tb cocoa	1 pt boiling water
2 tb sugar	1 pt scalded milk
spk salt	

The general rule is $\frac{1}{2}$ tb of cocoa and of sugar for each cup liquid (half each milk and water).

Mix sugar, cocoa, and salt. Stir in boiling water, a very little at a time to mix well. Boil about five minutes, then combine with hot milk. Beat with egg beater before serving. Serve with additional sugar and cream, if desired. Cream may be whipped.

CHOCOLATE

2 oz chocolate	1 pt scalded milk
4 tb sugar	spk salt
1 pt boiling water	

Use $\frac{1}{2}$ square of chocolate and 1 tb sugar for each cup liquid. Break chocolate into pieces and melt over hot water. Add sugar, salt and boiling water, and stir until smooth and glossy. Let cook about five minutes. Add part of hot milk, and when well mixed pour into rest of milk. Let stand over fire about five minutes. Beat well with egg beater.

Less water and more milk may be used, if desired. $\frac{1}{2}$ t ground cinnamon may be mixed with either cocoa or chocolate when sugar is added, if additional flavor is liked. Or, $\frac{1}{2}$ t vanilla may be added.

TEA

Scald an earthenware teapot, put tea in, allowing 1 t of tea to each cup of freshly boiling water; pour over it the boiling water; cover closely; let stand for three to five minutes without boiling; pour at once. It is usually best to strain tea from grounds. Or, a silver or nickle tea ball may be used. Allow the same proportion of tea to water. Place tea ball in cup, and pour over it freshly boiling water. Remove tea ball in a minute or more, according to strength desired.

FILTERED COFFEE

$\frac{1}{2}$ c fine coffee

1 qt boiling water

Put coffee into filter, and pour over it gradually, the freshly boiling water. After water filters through coffee (it must be kept hot), pour off and return a second time, and sometimes a third time. Remove strainer before serving. If stronger coffee is desired, use $\frac{1}{4}$ c coffee for each cup water.

BOILED COFFEE

$\frac{1}{2}$ c coffee

$\frac{1}{2}$ c cold water

4 egg shells or 1 egg white

$3\frac{1}{2}$ c boiling water

The usual rule is 2 level or 1 rounded tablespoonful coffee and 1 egg shell for each cup of coffee served. Egg shells should be washed before eggs are broken. Mix broken shells, or egg white and 4 tb cold water (allow 1 tb for each cup) in well aired and scalded coffee pot. Add freshly boiling water and let boil five minutes after boiling begins. Pour 4 tb cold water down spout. Let stand five to ten minutes where it will keep hot, but not boil or simmer. Serve at once. It is usually best to strain from grounds into another coffee pot.

Many people consider that a speck of salt added to coffee improves the flavor.

Coffee is sometimes made with cold water instead of boiling water. In this case, mix coffee and egg, add requisite water and bring to boiling point. Remove from fire and "settle" with cold water. Let stand without boiling for about five minutes.

SOUR MILK GRIDDLE CAKE

Substitute sour milk or butter milk for sweet milk in any recipe and use soda in the proportion of 1 t to the pt sour milk. Sour cream may be used if available, in which case a little less soda is used and butter omitted. A little baking powder is sometimes added with the cream and soda, especially if small amount is prepared.

1 c stale bread crumbs may be softened in 1 c boiling water, beaten till smooth, and used as substitute for 2 to 3 eggs. Rice may be used in same manner.

TWIN MOUNTAIN MUFFINS

$\frac{1}{4}$ c butter	$\frac{1}{4}$ t salt
$\frac{1}{4}$ c sugar	2 c pastry flour
1 egg	3 t baking powder
$\frac{3}{4}$ c milk	

Cream butter as for cake, add sugar gradually, add egg beaten well. Sift baking powder with flour and salt and beat into first mixture, alternating with milk. Fill greased muffin tins about two-thirds full and bake in moderate oven, about 25 minutes.

NUT BREAD

3 c flour	1 $\frac{1}{2}$ c milk
4 $\frac{1}{2}$ t baking powder	1 c chopped nuts
1 t salt	$\frac{3}{4}$ c sugar (or less)

Sift well together dry ingredients, reserving a little flour. Add milk, beating mixture thoroly. Sift flour over chopped nuts, and stir into mixture. Place in greased bread pan. Bake in moderate oven forty-five minutes to one hour.

Chopped raisins, dates, or figs may be substituted for nuts.

SODA BISCUIT

Prepare same as baking powder biscuit, substituting sour milk before it is thick and clabbered, or better, buttermilk, for the sweet milk, using $\frac{1}{2}$ t soda to each cup milk and making a little stiffer, enough so to knead. Knead 5 minutes, or until smooth. Or, use 1 t baking powder to the cup of flour, in addition to soda. This is especially desirable for the small quantities used in school work.

SHORT CAKE

1 pt flour	$\frac{1}{4}$ c shortening
2 tb sugar	$\frac{2}{3}$ c liquid, or less
$\frac{3}{4}$ t baking powder	1 egg, if desired.
$\frac{1}{2}$ t salt	

Mix as for biscuit, mixing egg, if used, with liquid. It usually well to reserve part of liquid, as amount of milk varies with kind of flour. Divide dough into two parts, shape each by rolling or patting out, to fit pan. Put in one, brush with melted butter, place the second on top; or bake in two pans if more crust is desired. Bake in hot oven, twenty minutes or more.

Separate layers, placing partly crushed and sweetened fruit (strawberries, raspberries, peaches, oranges, pineapple, etc.) between, and more on top, if desired. May be served with cream, plain or whipped, if preferred.

Sugar may be omitted from above recipe. Shortening may be butter, lard, or other fat, or a combination of different fats. Liquid may be milk or water. Individual short cakes may be prepared by shaping with biscuit cutter. Mixture is sometimes made little thinner than for soft dough, beaten smooth, and baked in two pans. Or, if sweet cake mixture is liked for short cake, use Twin Mountain muffin recipe.

FANCY ROLLS

1 c scalded milk	$\frac{1}{4}$ to $\frac{1}{2}$ yeast cake
$1\frac{1}{2}$ c bread flour	1 to 2 tb sugar
$\frac{1}{2}$ t salt	2 to 4 tb shortening
	flour to stiffen

Prepare mixture, using sponge method, adding, when light, shortening, sugar, and flour to stiffen, about $1\frac{1}{2}$ c more. Make a variety of fancy breads from this dough.

SALAD OR DINNER ROLLS

Shape into balls (small biscuits) and let rise. When light and puffy, make a deep crease in each with floured handle of small wooden spoon. Brush crease with melted butter, press edges together. Place close together in greased pan; let rise again. Bake 15 minutes or more in hot oven.

PARKER HOUSE ROLLS

May be made and shaped as salad rolls, but placed in baking pan some distance apart. Or, they are made by rolling dough to thickness of $\frac{1}{4}$ inch, then cut with biscuit cutter, creased in center with back of knife, brushed with butter and folded over.

GLEFT ROLLS

Put rolls in pan and when nearly risen make a cut with scissors nearly an inch deep across top of each.

BISCUITS

Roll dough in sheet $\frac{1}{8}$ inch thick and cut into strips about 7 inches wide. Cut across into sharp pointed triangle, and commencing at base roll up, keeping point in middle of roll and bring ends towards each other. Place in greased tin 1 inch apart, and bake 15 to 20 minutes.

BRAIDS

Roll dough about $\frac{1}{4}$ inch thick. Cut in strips, 1 inch wide, 6 inches long, or smaller, if desired. Place these strips together, pinch well at upper end and braid.

TWISTS

Twist two or three strips, cut as for braids, together.

BOW KNOTS

Cut in strips and tie, pressing well, so knot will not unfasten in rising and baking.

GLOVER LEAVES AND SHAMROCKS

Knead small bits of dough till smooth, shape into balls. Put three together into greased muffin tins. Let rise. Bake.

BREAD STICKS

Add a beaten egg white to roll mixture. When light form into balls. Roll on unfloured board with hands, into strips about as thick and round as a lead pencil, and about three inches long. Place on greased baking sheet, or in bread stick pans. Let rise. Place in hot oven, reducing heat and baking more slowly after crust begins to form, that they may be crisp and dry.

SALAD STICKS

For these, salt may be added to bread stick mixture before shaping, and sprinkled with more salt before baking.

TO GLAZE PARKER HOUSE ROLLS OR OTHER FANCY BREADS

1. Brush with melted butter, or milk and sugar (1 tb sugar to $\frac{1}{4}$ c milk) before baking.
2. When taken from oven, brush with egg, slightly beaten and diluted with 1 tb water or milk. Either yolk or white diluted with water or milk, may be used instead of whole egg.
3. When baked and nearly cool, brush over with confectioner's sugar, moistened with boiling water enough to spread, and flavored.

GERMAN COFFEE BREAD

1 c scalded milk	$\frac{1}{4}$ to 1 yeast cake
$\frac{1}{4}$ c shortening	$\frac{1}{2}$ t salt
$\frac{1}{4}$ c sugar	$\frac{1}{4}$ c raisins or currants
1 egg	flour to mix stiff batter

Mix as sponge for bread, adding egg well beaten, and raisins chopped. Amount of flour used will vary. Mixture should be drop batter. Beat thoroly. Scrape side of mixing bowl till clean and free from batter. Cover closely and let rise till very light, Then beat again, add more flour. Mixture should be stiff batter, but not stiff enough to knead. Let rise again, and when light, spread about $\frac{1}{2}$ inch thick in shallow, greased pan. Or, all the flour may be mixed in before set to rise first time and when mixture is light, it may be spread in pan as directed. Bread pan may be used instead of shallow pan, if desired. Let rise in baking pan, till very light.

Before baking, brush oven with beaten egg and cover with following mixture:

3 tb melted butter	1 t cinnamon
$\frac{1}{4}$ c sugar	3 tb flour

Or, bread may be merely brushed over with melted butter, and sugar and cinnamon mixed and sifted over.

Egg may be omitted in coffee bread, if desired, as may also the raisins or currants. Slices of apples, or peaches, or any preserved fruit, or blanched almonds may be placed on top before baking, instead of sugar and cinnamon. $\frac{1}{2}$ c coffee (liquid) may be substituted for half the milk.

Coffee bread may be made from sponge for plain bread. Let rise and and take out part. Before adding more flour, beat in shortening, sugar, egg and fruit.

SWEET MILK DOUGHNUTS

2 tb shortening	4 t baking powder
1 c sugar	1 t salt
1 egg	$\frac{1}{2}$ t cinnamon or nutmeg
1 c milk	flour to make a soft dough (3 to 4 c)

Mix as a butter cake. Add 3 c flour mixed and sifted with dry ingredients, then enough more flour to make dough just stiff enough to roll. With knife, toss about $\frac{1}{3}$ of dough on lightly floured board, knead slightly to make smooth. Roll to thickness of about $\frac{1}{4}$ inch. Use floured spatula freely to prevent dough from sticking to board. Cut with floured cutter. Fry in deep fat about 2 minutes. They should come quickly to the top. Brown on one side, turn and brown on other. Turn but once. Drain over fat and then on absorbent paper. When partly cool, or just before serving, sprinkle with powdered sugar, if desired.

SOUR MILK DOUGHNUTS

Substitute sour milk or butter milk for the sweet milk, sifting $\frac{1}{2}$ t soda instead of baking powder with dry ingredients. Use two eggs instead of one. Or, use $\frac{1}{4}$ t soda and 2 t baking powder.

If sour cream is used, omit shortening. Use $\frac{1}{4}$ t soda and the 2 t baking powder.

To make richer doughnuts, use 3 tb shortening, and 3 eggs.

FRITTER BATTER

1 c flour	$\frac{1}{4}$ t salt
1 to $1\frac{1}{2}$ t baking powder.	$\frac{1}{3}$ to $\frac{1}{2}$ c milk
2 tb sugar	1 egg

Mix and sift dry ingredients, add milk gradually and egg well beaten. Beat thoroly. Or, mix yolks with milk, add mixed and sifted dry ingredients, and fold in stiffly beaten egg white. Two eggs may be used, and baking powder omitted. Less sugar may be used, or it may be omitted.

APPLE FRITTERS

Core, pare and slice two apples. Sprinkle with powdered sugar and lemon juice. Dip or stir slices into the batter. Drop by spoonfuls, and fry in deep fat to delicate brown. Drain. Serve hot, sprinkled with powdered sugar or with fruit sauce, syrup, or jelly.

Or, apples may be pared and cored, then cut in $\frac{1}{8}$ inch slices across apple, leaving hole in center. These slices may be dipped in batter and fried.

BANANA FRITTERS

Cut bananas in quarters, prepare and fry as apple fritters, or slice bananas into batter and drop by spoonfuls into hot fat.

Other fruits, clams, oysters, or small sections of cooked meat may be covered with batter and fried.

GOLD CAKE

$\frac{1}{2}$ c shortening	$1\frac{3}{4}$ c flour
1 c sugar	3 t baking powder
8 to 10 egg yolks	$\frac{1}{4}$ t salt
$\frac{1}{2}$ c milk	1 t orange extract

Mix according to directions for butter cake previously given.

Any plain cake recipe may be varied to make a yellow or gold cake by

substituting 2 or 3 yolks for each egg used, or better, use 3 yolks and one white for each two eggs. In the same way, white cake may be made by substituting two whites for each egg required. The flavoring may be vanilla or lemon, or combination of these, almond, or any other desired.

May be baked in loaf, layers, or muffin pans.

ORANGE ICING

1 orange—juice and grated rind

1 c powdered sugar

Squeeze orange juice over grated rind and let stand for 1 hour or more. Strain. Mix juice with 1 c powdered sugar, or enough to keep in shape when spread on cake.

Yolk of egg, or yellow coloring, may be used to deepen color.

SOUR CREAM CAKE

2 eggs

$\frac{1}{4}$ t soda

1 c sugar

1 t baking powder

1 c sour cream

$\frac{1}{8}$ t ground nutmeg

$1\frac{1}{2}$ c flour

$\frac{1}{2}$ t lemon extract

Separate eggs. Beat yolks till light and lemon colored. Add sugar, beating well. Sift together dry ingredients, and stir in, alternately with milk. Add extract. Beat egg whites stiff and dry, and fold in. Bake in shallow pan, or muffin pans.

SPICE CAKE

$\frac{3}{4}$ c shortening

1 t mixed allspice, nutmeg, cloves

1 c brown sugar

1 t cinnamon

3 eggs

spk ground mace

$\frac{3}{4}$ c water

$\frac{1}{2}$ c raisins

$\frac{1}{4}$ t soda

$\frac{1}{4}$ c currants

$\frac{3}{4}$ c flour

$\frac{1}{4}$ c citron

Mix as for other butter cakes. All dry ingredients should be sifted together. Raisins and currants should be chopped, or cut up fine. Citron will cut up more easily if first softened by steaming over hot water. Part of flour must be reserved to sift over fruit, which should be well beaten in, before stiff egg whites are folded in. Bake in loaf or tube pan, in very moderate oven, for about an hour. It is usually well to line pan with several thicknesses of greased paper.

Whites may be substituted for part of fruit. A cheaper shortening than butter can very well be used as shortening in all spice cakes. Clarified beef drippings or bacon fat give good flavor.

PEANUT COOKIES

$\frac{1}{2}$ c shortening	$\frac{1}{2}$ t salt
1 c sugar	2 c flour
2 eggs	2 t baking powder
$\frac{1}{4}$ c milk	1 to 2 c chopped peanuts

Mix as for cake without separating white and yolks of eggs. Add peanuts, finely chopped, last. Drop by teaspoon on greased pans, an inch or two apart. Place a half peanut on each, and bake in quick oven. Other nuts may be substituted for peanuts.

From Home Science Cook Book

VANILLA WAFERS

$\frac{1}{3}$ c shortening	2 t vanilla
1 c sugar	2 c flour or more
1 egg	2 t baking powder
$\frac{1}{4}$ c milk	$\frac{1}{2}$ t salt

Cream shortening, add sugar, and egg, well beaten, then milk and vanilla. Sift dry ingredients together, and add. Use just flour enough to make stiff dough, that can be handled and rolled thin. Chill the dough. Follow directions for rolling and cutting previously given for cookies, except that these are to be rolled as thin as possible, the thinner the better. Use small cutter. Place close together in greased pan. Bake in hot oven.

SPONGE CAKE

4 to 6 egg yolks	$\frac{1}{2}$ lemon
1 c sugar	$\frac{1}{4}$ t salt
1 c flour	4 to 6 egg whites

The general rule is equal measures of egg, sugar and flour. Number of eggs used depends on size. It will require six of medium size.

Grate rind of $\frac{1}{2}$ lemon, and pour over the juice. Let stand, till ready to use. Beat yolks till thick and lemon colored, add sugar very gradually, and continue beating, using Dover egg beater. Strain lemon juice, add and beat again. Beat whites stiff, with wire beater. Fold part of stiff whites into yolks. Mix and sift together flour and salt several times. Sift part of flour over egg mixture, and carefully cut and fold it in. Then fold in remainder of whites, and flour alternately. Be careful not to stir. Bake in slow oven, about an hour, if in loaf.

May be baked in tube pan, in muffin or lady finger pans, or in dripping pan for jelly roll.

A little powdered sugar may be sprinkled over top before baking, to produce flaky crust. 2 tb melted chocolate may be added to eggs and sugar.

CREAM PIE

2 c milk	1 tb cornstarch
$\frac{1}{2}$ c sugar	$\frac{1}{8}$ t salt
3 eggs	1 tb vanilla

Scald milk in double boiler, and slowly stir in cornstarch, moistened with cold water. Stir constantly until thick. Add eggs beaten slightly with the sugar, and cook a little longer. Add vanilla and pour into a crust, which has been baked over an inverted pie tin.

The yolks alone may be used for the filling, whites saved for meringue. Put in slow oven to brown. $\frac{1}{4}$ c shredded or grated cocoanut may be mixed with filling before placing in crust, or may be sprinkled over meringue. 1 oz chocolate, or 2 tb cocoa may be used for chocolate pie.

COOKED RHUBARB

Wash, peel and cut rhubarb in one inch pieces. If pink and tender do not peel, as the color is much better if skin is left in. Add just enough water to keep from burning. When nearly done add sugar to taste, Cook until tender.

Or, the rhubarb may be put in kettle with an equal weight (half as much by measure) of sugar, and allowed to stand for several hours until sugar is nearly dissolved. No additional water will be necessary. Cook uncovered in double boiler.

Or, cut rhubarb into earthen or agate dish. Mix with sugar, $\frac{1}{3}$ to $\frac{1}{2}$ as much sugar as rhubarb. Add 1 or 2 tb water, cover closely and set in oven. Cook till rhubarb is tender.

A bit of white ginger root, or orange peel may be added to either stewed or baked rhubarb. Figs, dates, or raisins, previously boiled in hot water, may be added.

RHUBARB PIE I

1 pt rhubarb	2 tb flour
1 c sugar	$\frac{1}{4}$ t salt

Wash rhubarb, cut into $\frac{1}{2}$ inch pieces. Mix with other ingredients. Line deep pie pan with paste. Fill with mixture, being careful not to heap up. Measure pan before mixing ingredients, so that no more may be prepared than pan will hold. May be covered with an upper crust, or barred with narrow strips of paste, or baked in lower crust only, and meringue added. In this case 1 or 2 beaten egg yolks are usually mixed with rhubarb.

RHUBARB PIE II

1 pt cooked rhubarb	2 egg yolks
Juice of half a lemon	

Bake crust on inverted pie plate. Pour rhubarb, mixed with lemon juice and beaten egg yolks, into crust, and place in oven till eggs have cooked and thickened mixture.

SALADS—GENERAL DIRECTIONS

1. Lettuce should be thoroly washed, carefully examined for insects, placed in cold water, then each leaf dried and all wrapped in damp cloth, the larger leaves at bottom, and placed in refrigerator till ready to use.

2. Lettuce may be shredded by tearing with fingers, or may be cut into strips with silver knife.

3. A thick paring should be cut from cucumbers. They may be sliced or diced, then placed in cold water. Care must be taken that they do not become water soaked, soft and transparent.

4. Radishes may be sliced without removing pink skin. They may be curled by cutting with sharp, pointed knife from top toward root end in pointed, petal-like form, then with point of knife, paring thinly to separate pink outer skin, but without breaking from base. Place in cold water.

5. Celery must be carefully looked over, first cutting away root end, then trimming tops. Wash thoroly with brush, and cut out decomposed or rusty spots. It may be cut in pieces as desired. It is usually well to reserve the inner "hearts" for table use. To curl celery, cut stalks into pieces about two inches long. Beginning at round side, and at one end, cut down half an inch, making as many thin strips as possible. Turn the stalk, and cut these slices in opposite direction, as thin as possible. Cut opposite end in same way. Set pieces aside in very cold, acidulated water, and in short time many of the shreds will curl over.

6. All uncooked fruits and vegetables must be fresh, crisp and cold. They must also be carefully dried, if oil is to be used.

Cooked vegetables should be firm, that they may be cut in neat pieces of uniform shape and size.

7. Meat, fish, and most cooked vegetables used in salads should be well marinated and cold, before mixing with crisp plants, and dressing.

8. Fruits, vegetables, meats, fish, cheese, etc., may be used singly or in combination, care being taken that combinations are suitable in flavor and color.

9. In salads of many ingredients, nutritious food materials are mixed with those that are used chiefly for flavor.

10. Salad dressing to be used must be well made, and adapted to ingredients of salad.

11. Salad material should be well mixed together. This is best done by tossing together with two forks (small wooden forks, if possible).

12. Combine ingredients just before serving.

13. Serve on cold salad dish or plate.

FRENCH DRESSING

3 tb olive oil $\frac{1}{4}$ t salt
1 to 3 tb vinegar or lemon juice $\frac{1}{4}$ t pepper

Paprika or cayenne may be added, if desired. Also, a few drops of onion juice, or bowl may be rubbed with slice of onion, or clove, or garlic. $\frac{1}{4}$ t mustard may be mixed with other dry ingredients.

Mix dry ingredients, add oil and stir till thoroly mixed, then add vinegar a few drops at a time, and beat till emulsion is formed. Or, ingredients may all be placed in a bottle and shaken vigorously together to form emulsion.

Pour over prepared materials and toss together until dressing has all been absorbed.

BOILED DRESSING

$\frac{1}{2}$ t salt 2 egg yolks or 1 egg
1 t mustard 2 tb melted butter
spk cayenne $\frac{3}{4}$ c milk or cream
2 tb flour $\frac{1}{4}$ c vinegar

Melt butter in sauce pan, add flour and and cook till frothy, but not brown; add vinegar and cook till mixture thickens, then remove from fire. Mix other dry ingredients and sift into vinegar sauce gradually. Beat till very smooth and well blended. Cook eggs and milk together in double boiler, like soft custard, when thickened remove double boiler and combine the custard with vinegar sauce, very gradually. Beat with Dover beater till perfectly smooth, and then strain.

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MAYONNAISE DRESSING

$\frac{1}{2}$ t salt 1 tb lemon juice
 $\frac{1}{2}$ t mustard 1 tb vinegar
spk cayenne 1 egg yolk slightly beaten
 $\frac{1}{2}$ t powdered sugar $\frac{3}{4}$ c olive oil

Add oil to egg, drop by drop at first, beating with wooden spoon or fork till thick. Mix rest of ingredients. A Dover egg beater may be used after several teaspoonfuls of oil have been added. When mixture becomes too thick to beat well, add a little of the acid, then more oil, and so on, till all the ingredients are used. Never add enough vinegar at one time to thin the mixture, or else it is apt to curdle. Should it curdle, take another egg yolk and slowly add curdled mixture to it. Have ingredients cold. Dressing should be of the consistency of stiffly beaten cream, thick enough to keep its shape. It soon liquifies when mixed with meat or vegetables, so it should not be added until just before serving. Half a cup of whipped cream may be folded into dressing, when ready to serve. Mayonnaise may be colored, if desired.

SALADS

TOMATO JELLY

1 tb gelatin

1 c stewed and strained tomato

$\frac{1}{4}$ c cold water

$\frac{1}{4}$ t salt, other seasoning if desired

Soak gelatin in cold water till softened, add hot tomato and seasoning. Pour into small molds and chill thoroly. When ready to serve, turn out on lettuce leaves. Garnish with capers, olives, hard cooked eggs, or pickles, or baked beans or meats may be added for luncheon salad. Serve with mayonnaise dressing.

ASPARAGUS AND PIMENTO

Used cooked or canned asparagus in pieces about three inches in length. Garnish with diamond or other fancy shaped pieces of pimento, or serve in ring of pimento. Use any dressing desired.

TOMATO AND CUCUMBERS

Alternate slices of tomato and cucumber, or mound cubes of cucumber on slices of tomato. Cress and minced onion add desirable flavor.

STUFFED TOMATO

Select smooth firm tomatoes. Pare, remove stem end, and hollow out center. Chill. Fill with chopped nuts, celery, and cucumber, or any other combination desired.

PEAR AND ALMOND

Blanch almonds by pouring boiling water over them and then rubbing off brown coat

Use fresh or canned pear. Stick almonds, pointed end down into pear. Any other fruit may be so used. Use French or boiled cream dressing.

BEANS AND CHEESE

Use canned or cooked, wax or green, beans. Cut into inch pieces. Celery, onion, green pepper or pimento may be added. Sprinkle with grated cheese.

CAULIFLOWER AND BEET

Use the flowerets of cold, cooked cauliflower. Slice beet, then cut in cubes, diamond or other figures, using cutter, if available. Use beet as garnish over cauliflower, or beet may be chopped fine and combined with it. Use French or mayonnaise dressing.

MAGEDOINE SALAD

Use cooked carrot, turnip, beet and potato. Arrange in small mounds on lettuce, each vegetable by itself. Use any dressing desired.

GRAPE FRUIT

Sections of grape fruit may be served with dressing in grape fruit shell, or on lettuce. Use French dressing. Pimento, nut, celery, or onion may be combined with it.

SUGGESTIVE SALAD COMBINATIONS

In addition to the above, the following are suggestive. Many others may be used. Peas and celery; peas and cheese or nuts; spinach and egg; celery, cabbage and pimento; orange, banana and pine apple; orange and celery; orange and nut; celery, apple, and nut; banana and nut. Apple and cress; lettuce, onion and pimento; egg and tomato.

PISTACHIO SALAD

1 tb gelatin	juice of 1 orange
$\frac{1}{4}$ c cold water	juice of $\frac{1}{2}$ lemon
1 c hot water	$\frac{1}{4}$ t salt

Prepare gelatin, tint a delicate green, and when it begins to set, add $\frac{1}{4}$ c of chopped pistachio nuts and about 2 stalks of finely cut celery. Turn into mold and set in a cool place to stiffen. Serve on lettuce leaves and garnish with mayonnaise.

VEAL OR CHICKEN SALAD

Cut veal into cubes and marinate, that is, add French dressing and allow to stand an hour or more to develop flavor. Add an equal quantity of clear, crisp celery, cut into small cubes. Just before serving mix with mayonnaise and place some on top. About one cup of mayonnaise to one quart of mixture will be required. Nuts or peas may be added, if desired. Garnish with hard cooked eggs, curled celery, capers, or pickles.

SHRIMP SALAD

Remove the shrimp from the can and cover with very cold water and let stand for half an hour. Remove intestinal veins, then break into small pieces, reserving a few for garnish. Combine with shredded lettuce or diced celery. Mix with a small quantity of mayonnaise dressing. Put a spoonful of dressing on each serving and garnish with a whole shrimp, and capers, olives, or pickles. A dash of paprika sprinkled over dressing adds flavor and attractiveness.

FISH OR LOBSTER SALAD

Break fish into small pieces, marinate with French dressing. It may be combined with diced celery, or with shredded lettuce. Mix with a little mayonnaise, serve on lettuce leaves with mayonnaise on top and garnish with lemon and parsley. Sliced hard boiled egg, peas, nuts, or green peppers may be combined with fish. Boiled dressing may be used in place of mayonnaise.

POTATO SALAD

2 c freshly boiled potatoes	1 tb finely minced parsley
1 t salt	about 3 tb olive oil
$\frac{1}{8}$ t pepper	1 tb vinegar
few drops onion juice	

Cut potatoes in half inch cubes. Add seasoning, then olive oil, only what the potatoes will absorb, then add vinegar and mix carefully until it is absorbed. Mound on a bed of lettuce in a shallow dish. Egg yolks make an attractive garnish if put through a ricer.

POTATO SALAD II

Add boiled dressing to cold diced potatoes. Diced hard boiled eggs and sliced cucumbers may be added to potatoes. Serve on bed of lettuce and garnish with parsley and minced egg. Thick cream may be stirred in. Diced beets may be used as a garnish.

EGG SALAD

Cut the whites of hard cooked eggs into eighths lengthwise, arrange on lettuce to simulate the petals of a flower. Put yolks through ricer and arrange in the center of whites. Serve with boiled dressing.

II. Cut egg lengthwise in quarters and serve on lettuce with boiled dressing.

III. Chop whites finely and arrange on lettuce. Put yolk through ricer and mound in the center. Serve with boiled dressing.

STUFFED OR DEVEILED EGGS

Cut hard cooked eggs crosswise or lengthwise, remove yolks, mix with vinegar and seasoning, or with boiled dressing. Refill yolks in the whites. Cold minced ham or chicken may be added to the yolks. French dressing may be used instead of the vinegar.

CHEESE SALAD

Combine mild cream cheese with pimento, shape into small balls and serve on head lettuce with French dressing.

CHEESE AND NUT SALAD

1 c cheese	$\frac{1}{3}$ c chopped nuts
1 tb melted butter	$\frac{1}{3}$ c chopped pimento
$\frac{1}{2}$ c sweet cream	$\frac{1}{3}$ c chopped olives.

Mash the cheese, moisten with cream and melted butter, season with salt and cayenne, add chopped nuts, pimento and olives, press into a mold and let stand two hours. Cut in slices and serve on lettuce leaf with mayonnaise dressing.

COTTAGE CHEESE SALAD

Shape cottage cheese into balls and serve on lettuce, with boiled dressing.

SANDWICHES—GENERAL DIRECTIONS

1. Bread should be at least twenty four hours old.
2. Bread should be cut thin and even. If cut in fancy shapes, crusts should be saved for other purposes.
3. In cutting bread, arrange slices so that they will fit together.
4. Cream butter until soft enough to spread easily. Spread bread evenly before cutting from loaf, unless fancy shapes are to be used, in which case too much butter would thus be wasted.
5. Sandwiches are best when prepared just before serving, but they may be kept fresh for several hours by wrapping them in damp cloth wrung as dry as possible; then surrounded with dry cloth. Or, they may be closely wrapped in paraffine paper. Lettuce sandwiches or those with moist filling should not be so preserved.

SANDWICHES

LETTUCE SANDWICHES

Dry lettuce leaves, spread with mayonnaise or boiled dressing, sprinkle with riced egg and place between slices of buttered bread. Lettuce sandwiches make a good substitute for a salad at a home luncheon.

CHEESE SANDWICHES

- I. Put cream cheese through a ricer or chop fine. Use for filling.
- II. Put soft, rich cheese through a ricer or chop fine; for each cupful use one egg yolk and two tablespoons of milk. Mix thoroughly and season to suit taste. Spread between thin slices of bread, pressing them well together, then cut into strips. Beat white of egg with one cup of milk, dip the sandwiches in this, drain them and saute in butter.

From Home Science Cook Book.

BREAD AND BUTTER FOLDS

Spread bread with butter, cut in thin slices, remove crusts and put slices together in pairs, cut in squares, or triangles. May use white, entire wheat or brown bread. Three layer sandwiches may be made by placing a slice of brown bread between two slices of white bread.

MEAT SANDWICHES

Any cooked meat may be used. Ham, chicken and beef are most desirable. Chop meat, or cut into very thin slices. Slices of olives, or pickles, and salad dressing may be added. Place between slices of bread. Do not spread filling too close to edges of bread.

SARDINE SANDWICHES

Remove skin and bones and mash to a paste, add an equal measure of the yolks of hard cooked eggs, forced through a ricer, season well and add a few drops of lemon juice. Moisten with olive oil or melted butter. Put between thin slices of buttered bread.

Other sandwich fillings are: Onions and cheese; ground peanuts; pimento and nuts; nut and cheese; anchovy and cheese; egg; caviar; oyster; lobster; ham and egg; parsley and pimento; and various kinds of sweet sandwiches, such as jams, jellies, marmalades, or ground dates or figs.

SPRING VEGETABLES

SASIFY

Wash thoroly, and trim off root and stem ends. Scrape off outer dark skin, cut up, and put into acidulated water to keep white. Salsify may also be cooked without scraping. Cook in boiling water, salt when done, serve with butter, or with white sauce. It may be used for scallop and also as a foundation for cream soup.

SPINACH

Wash thoroly in five or six waters, looking over carefully. Trim off stems from older plants, use younger plants whole. Scissors are useful in the preparation of spinach. It may be steamed or boiled. Will require fifteen to twenty minutes. Use very little boiling, salted water in cooking; the less the better. Water in which it is cooked may be used if desired. Drain off, and cut or chop spinach. Drain in colander, season with salt and butter, using $\frac{1}{2}$ tb butter to 1 c of vegetable, and reheat. Garnish with hard cooked eggs. It may be served with a tart sauce, or it may be packed into molds, chilled, garnished, and served as a salad.

SWISS CHARD

This should be cooked like spinach. When tender, drain in a colander, squeeze out the water, chop finely, season with butter, pepper and salt, garnish with hard cooked eggs, and serve hot.

PARSNIPS

Wash, scrape, and cook in boiling water until tender, about thirty to forty five minutes. May be buttered, creamed, mashed, sauted, or made into croquettes.

ASPARAGUS

Break off tough lower end. Wash stalks. If of equal length tie in bunch, and cook in small bunches in boiling salted water, twenty to forty minutes, until tender. Cook in deep sauce pan, standing tips upward. The steam will cook the tender tips, while the hard stalk will be cooked in the boiling water. Or, asparagus may be broken into inch pieces, the tough parts being cooked first and the tender tips added the last fifteen minutes. The water in which asparagus is cooked may be used for white sauce or soup. Serve asparagus on toast, with drawn butter, white, or Hollandaise sauce.

GREEN CORN

Carefully remove husks and silk and cut away the stem end. Put on in boiling water, and cook until tender, ten to twenty minutes, or it may be steamed.

ICES AND SHERBETS—GENERAL DIRECTIONS

1. Boil sugar and water to density of 28° . Cool.
2. Strain fruit juice and add to syrup, bringing density to 20° .
3. 1 lb gelatine may be hydrated in 4 lb water and added, if desired.
4. Mixture may be partly frozen, then 1 to 2 stiffly beaten egg whites stirred in. Finish freezing.
5. Or, $\frac{1}{2}$ c cream may be whipped, added to mixture when partly frozen, then freezing continued.
6. Milk or cream may be substituted for water in which case it should be chilled before adding fruit juice.
7. Use juice of one lemon with each quart of fruit juice.

ORANGE ICE

1 qt water	$\frac{1}{4}$ c lemon juice
2 c sugar	$\frac{1}{4}$ t salt
2 c orange juice	grated rind of 2 oranges

LEMON ICE

1 qt water	$\frac{3}{4}$ c lemon juice
2 c sugar	$\frac{1}{4}$ t salt

STRAWBERRY ICE

1 qt water	1 lb lemon juice
$1\frac{1}{2}$ c sugar	$\frac{1}{4}$ t salt
2 c berry juice	

PINEAPPLE ICE

- | | |
|------------------|-----------------------------|
| 1 qt water | 1 to 2 c shredded pineapple |
| 1 c sugar | $\frac{1}{4}$ t salt |
| 2 tb lemon juice | |

FREEZING

1. Scald can and dasher.
2. Pound ice in burlap sack, using wooden mallet, if possible. Ice should be pounded till well broken and nearly as fine as the salt.
3. Fit can, dasher and crank, to be sure that they are properly adjusted.
4. Use rock salt and mix salt and ice together in proportion of 1 part salt to 3 parts ice.
5. Pack well-mixed ice and salt about retainer, then fill retainer, not more than three-fourths full, with mixture to be frozen. Cover.
6. Turn crank slowly and steadily at first, then more rapidly as freezing progresses.
7. Do not pour off water while freezing mixture. Let drain off from bung hole and refill with ice and salt as needed.
8. When dasher turns hard, mixture is sufficiently frozen.

PACKING

1. Wipe off cover very carefully.
2. Take out dasher.
3. Scrape frozen mixture down sides of freezer and pack down level.
4. Cork top of cover into which dasher fitted, and replace cover on retainer. It is usually well to place waxed paper over contents of can before replacing cover.
5. Draw off salt water.
6. Repack pail with ice and salt, using 1 part salt to 4 parts ice; well mixed.
7. Cover the whole closely with newspapers, and let stand an hour or more to ripen.

ICE CREAM—WITH CUSTARD BASIS

- | | |
|-----------------|----------------------|
| 1 pt milk | $\frac{1}{4}$ t salt |
| 1 tb cornstarch | 1 pt cream |
| 2 eggs | flavoring |
| 1 c sugar | |

Scald milk, reserving a little to mix with cornstarch. Add to scalded milk, cook in double boiler fifteen minutes. Beat eggs slightly, blend into mixture and cook few minutes longer, stirring constantly. Add sugar and salt. Cool and mix with cream. Add flavoring

Different kinds of ice cream may be made from this foundation recipe. Mixture must be well chilled before adding fruit juices.

1 tb vanilla may be used, or 1 c maple syrup; in which case less sugar may be used.

1 to 2 c shredded pineapple, or the juice from pineapple, (use less sugar); 2 oz melted chocolate; 1 qt berries, crushed and strained; 1 qt well mashed peaches or apricots; 1 c caramel syrup.

PHILADELPHIA ICE CREAM

1 qt thin cream

$\frac{1}{4}$ t salt

1 c sugar

flavoring

Scald cream, add sugar and salt. Cool and flavor before freezing. The flavor may be varied as in the ice cream with part custard, using the proportions given. If acid fruit is used chill thoroly before adding.

CANNING AND PRESERVING—GENERAL DIRECTIONS

1. Select, fresh, firm and not over ripe fruit.
2. Use only enamel or porcelain utensils for containers.
3. Weigh fruit after careful preparation, which will vary with different fruits.
4. The quantity of sugar used in canning varies with the acidity of the fruit. For each quart can of fruit use, if very acid, 1 c sugar; if moderately acid, $\frac{1}{2}$ c; if only slightly acid, $\frac{1}{4}$ c. The quantity of water to be used varies with the water content of the fruit; for one quart can of fruit use, if fruit is very juicy, $\frac{1}{8}$ to $\frac{1}{4}$ c water; if moderately juicy, $\frac{1}{4}$ to $\frac{1}{2}$ c; if only slightly juicy, $\frac{1}{2}$ to 1 c.
5. In preserving, fruit is cooked with from $\frac{3}{4}$ to its own weight of sugar, and little water is used.
6. Boil sugar and water 10 minutes to make a syrup; skim.
7. Add small quantity of fruit to syrup and cook until tender.
8. Test with silver fork.
9. When filling jars place them on a cloth wrung out of hot water. Use wide mouthed funnel with spreading top in filling jars.
10. Pack fruit in sterilized jars and fill to overflowing with boiling syrup.
11. Insert handle of spoon, or knife blade, in jar to let out air bubbles.
12. Refill to overflowing and put on sterilized rubber and cover.
13. A second method is as follows: Fill jar with fruit and fill to overflowing with hot syrup; adjust rubber, screw top on lightly; set jars on

heavy fold of cloth or perforated board in pan half filled with warm water. Bring water in pan to boiling point and let boil five to ten minutes. Screw covers on tightly. Let cool in the water.

14. With both methods, use new rubbers every season.
15. Tighten covers before removing jars to store room.
16. Store fruit in cool dark place.

DIRECTIONS FOR STERILIZING JARS, ETC.

1. Examine jars and test for leakage.
2. Wash jars and covers.
3. Place folded towel in bottom of a deep pan.
4. Put jars and covers in pan edgewise and cover with cold water.
5. Heat slowly to boiling point, and boil 10 minutes.
6. Keep jars and covers boiling until ready to use.
7. Dip rubbers, and utensils used in handling fruit, in boiling water.

CANNED PINEAPPLE

Cut pineapple in $\frac{1}{2}$ in. slices. Remove skin and eyes. Cut in cubes, discarding the core. Cook in syrup until tender. Store in sterilized cans. Pineapple may be shredded with silver fork, or grated.

STRAWBERRY PRESERVES

Wash berries a few at a time by letting cold water run through them in a colander. Hull, and weigh after hulling, and place layer for layer in a preserving kettle with three-fourths the weight of sugar. Allow to stand over night. Remove berries from syrup. Boil syrup until thick. Drop berries in and boil 10 minutes, keeping berries under syrup with a wooden or agate spoon. Remove scum that rises. Store in sterilized jars.

CANNED STRAWBERRIES

Weigh berries after hulling. Take $\frac{1}{3}$ lb. of sugar for each lb fruit. Let stand an hour or longer to extract juice. Cook slowly till tender, and the juice is thick and syrupy. Fill cans and seal.

RHUBARB MARMALADE

1 qt. rhubarb	Yellow rind and pulp
1 $\frac{1}{2}$ lb. sugar	of 6 oranges

Select red stalks of rhubarb, wash, remove as few strings as necessary. Cut stalks into half inch slices. Boil ingredients together very slowly, until well reduced. Rind of the orange may be grated or cut into thin shavings and boiled tender before it is added to other ingredients.

1 c of diced pineapple may be added, also $\frac{1}{2}$ c of almond meats, blanched and quartered.

SERVING

PREPARATION OF DINING ROOM

1. Inspect floor, and, if necessary, brush it carefully.
2. Air dining room thoroly, and, if possible, arrange for good ventilation during the meal.
3. Dust woodwork, and furniture, using a soft cloth.
4. Adjust window shades and curtains, so that the light will not fall directly in the eyes of any one at table.

THE TABLE

1. Note size of the table and adjust it so that each guest will have not less than twenty-five inches. Have table exactly in its place.
2. Lay silence cloth, which should be of white thick, soft, double faced cotton material, made for the purpose. It should extend five inches over the end and sides of table, and may be fastened in at the corners, if so desired.
3. Lay table cloth straight and smooth, with central, lengthwise fold in exact middle of table. Table cloth should be of linen, immaculate, and with as few folds as possible.
4. Place centerpiece, if used, in exact center of table, and on it a low, simple floral or fruit decoration.

THE COVER

1. Have ready all silver required. It should be well polished, never dull nor finger-marked.
2. Have glasses glistening. Handle them at bottom.
3. Place knives at right of the plate space, half an inch from edge of table, straight, with cutting edge turned toward plate. Arrange in order in which they are to be used, the first used being farthest from the plate.
4. Place forks, with tines up, at left of plate space, half an inch from edge of table, and straight, in order of use beginning at the outside.
5. Place spoons, bowls up, at right of knives, half an inch from edge of table, in order used, beginning at outside. Silver, for as many courses as desired, may be placed on table, and remaining pieces placed just before respective courses are served. Spoons or forks for serving, should be placed at right of the cover, of the one who is to serve, or on the table beside the dish; never in the dish.
6. Napkins should be simply folded, placed at left of forks belonging to cover, half an inch from edge of table, with hemmed edge up, and parallel with edge of table and with forks.
7. Place tumblers just above knives, and slightly to the right. Fill three fourths full just before meal is announced. Tumblers should be kept filled during meal. Do this either by pouring from carafe without touching

tumbler, or by lifting from table and filling carefully, back of the guest.

8. Bread and butter plates, or butter dishes, are placed at upper, left hand side of cover, at tip of forks. Lay butter spreader across butter plate, and supply butter just before announcing meal.

9. Individual salts and peppers may be placed in front of each cover; or salt and pepper shakers may be placed between each two covers; or near the corners of the table, on "plate line"; not in center of table.

10. Chairs should be placed up to table, but not under it.

THE SIDEBOARD

Sideboard should be covered with smooth, perfectly laundered runner. On it should be neatly arranged extra china, silver, finger bowls, etc. No hot dishes should ever be placed on sideboard.

THE SIDE TABLE OR "SERVICE" TABLE

Side table should be protected with a heavy cotton flannel cloth, and covered with linen cloth. On it may be placed a small tray for serving, and for removing from table small things and unused silver. Here should be placed hot plates and dishes brought from the pantry just before they are to be served.

SERVING

1. Have ready everything which is, or may be needed before announcing meal. Have everything in its proper place.

2. Warm all dishes, on which hot food is to be served, by placing in warming oven half an hour before the meal is announced. Chill plates for cold food. Serve hot foods very hot, and cold foods very cold.

3. Announce meal quietly.

4. Have ready a small tray, covered with a doily, for serving and for removing from the table, small things and unused silver; another for removing anything not clean. Hold large dishes on a folded napkin, about six inches square, on palm of the left hand.

Serve everything from the left, except beverages. In offering a dish of food be sure its spoon and fork are on the side toward the person to be served. Hold the dish conveniently near and low enough to be reached with ease by those at the table.

REMOVING A COURSE

1. Everything relating to one course only and not required by a later one should be removed. Take large dishes containing food first, then soiled silver, china and glass, then unused glass, china and silver, then other dishes belonging to that course only, then crumbs.

2. Remove plates from the left with the left hand. Remove glasses, cups and saucers from the right. Never reach across a cover.

3. In removing soup or salad plates, and even the dinner plates when there is nothing else at a cover, a waitress may take one in each hand. If a bread and butter plate has been used, it must be taken in one hand, the dinner plate in the other; if a juicy vegetable or compote has been served, she may take the dinner plate in her left hand and transfer to right hand, lift the compote dish with her left, and place it beside, not on, the knife and fork, then take the bread and butter plate, thus leaving, as is most desirable, each cover clear as she passes round the table.

4. At a formal meal, never put one dish or plate on top of another. Small dishes may be set side by side on a tray.

5. After a course has been entirely removed, place silver for course which follows.

6. Fill water glasses, supply bread, butter, and other things as needed without being asked.

7. Remove crumbs between courses, when necessary.

RULES FOR TABLE ETIQUETTE

THE INVITATION

1. An invitation to a meal should always be immediately accepted or declined.

2. If accepted, one should arrive at least five minutes before the stated hour, and greet host and hostess and other guests.

3. After a meal, the guest should remain for half an hour or more, and on leaving, should express his appreciation of the pleasant time to host and hostess.

4. When a meal is announced, one should go promptly to the table.

POSITION AT TABLE

1. Stand beside or back of chair until the hostess gives signal to be seated.

2. Be seated in chair from the left, and arise from same side. This prevents confusion.

3. Position while seated should be erect, with feet on floor, in front of chair. Chair should not be too close to table, nor too far back.

4. Elbows and hands should not rest on table. Elbows should be kept close to sides. Silver should not be fingered. One ought never reach across the table or in front of one's neighbor.

USE OF NAPKINS

1. Napkin should be placed across the lap at beginning of meal. If a large dinner napkin, it should be kept partly folded.
2. At close of meal, napkin should be folded as inconspicuously as possible. It should not be lifted in the air, or shaken over table.
3. At close of a formal dinner, instead of folding, place the napkin loosely beside plate.

USE OF KNIFE AND FORK

1. The knife is used for cutting and should be handled with right hand, and held only by the handle. It should never be carried to the mouth with food.
2. Only that portion of food, which is to be eaten immediately, should be cut off at one time.
3. The fork is used for carrying all dry foods and many semi-solid foods (all salads, most desserts, most vegetables, omelets, soft cheese dishes, some fruit) to the mouth.
4. It should be held only by the handle, and should always be carried to the mouth with the right hand, prongs turned up. It should be held between thumb and first finger, with weight resting lightly on second finger.
5. It is also used for steadying solid food when cutting. The fork should then be held in the left hand, by the handle only, prongs turned down, palm of hand down, with first finger resting lightly on upper side of handle.
6. One kind of food only should be taken up on fork at a time.
7. Fork may be used to convey fish bones and other unedible portions of food back to plate.
8. Neither knife nor fork should be held upright, or used for a pointer, or in gesticulation.
9. When not in use, the knife or fork should be placed across plate at right side.
10. At end of meal, both knife and fork should be left in position on side of plate.

USE OF SPOON

1. Spoon is used for liquid foods only, and for those too soft to be conveniently handled with a fork.
2. It should be turned to the side when carried to the mouth, and food taken from the side. Spoon should never be turned to point into the mouth.
3. Dip spoon away from one, when serving with a spoon, or when taking soup.

4. Beverages should not be sipped from a spoon except for purpose of testing flavor and temperature, after which spoon should be placed in the saucer. It should never be left standing in cup.

5. Liquids should be taken noiselessly from spoon.

USE OF SALT SHAKER

1. Then using salt shaker one should never pound it on table to loosen salt. If loosening is necessary, salt shaker may be rapped with hand.

2. When using salt from a salt cellar, salt should be taken out with a salt spoon, or the knife.

3. Celery, onions, etc. should not be dipped in a salt cellar which is to supply more than one member at the table; a little of the salt must be removed to plate for that purpose.

USE OF BUTTER

1. Butter should be spread with bread and butter knife, or case knife, and should never be taken with spoon or fork.

2. Butter should not be added to foods which have been already dressed, or seasoned.

3. Only a small portion of bread should be buttered at one time, never an entire slice.

USE OF BREAD

1. Bread should be placed on bread and butter plate, or on large plate, never on table cloth.

2. Bread should be broken, never cut, before buttering and carrying to the mouth.

3. A small piece of bread is often kept in left hand to serve as an aid in placing food on fork.

PARTAKING OF BEVERAGES

1. Never partake of beverages while food is in the mouth.

2. When drinking take a small amount at one time, and drink quietly.

3. Never cool hot beverages by stirring, dipping a portion out, turning the beverage into saucer, or blowing on a spoonful.

PROFFERING OR REFUSING FOOD

1. In offering to serve any one at the table, use one of these forms: "May I help you?" "May I offer you?" "Let me give you." "Will you have?" is a form that should be used by waitress only.

2. In refusing food, do so by saying "Thank you, I do not care for any", but never say "I do not like that".

FURTHER SUGGESTIONS

1. Avoid making a noise in masticating or in drinking, and keep lips closed while chewing. One should eat slowly and masticate food thoroly. He should not have finished the course while others at table are still eating. Do not talk with food in the mouth. Never tip plate, soup plate, or any dish in order to remove last bit.

2. Bread should not be used to obtain last bit of gravy or sauce.

3. Never break bread or crackers into soup. In passing sugar bowls, glasses, etc. without handles, care should be taken not to allow the fingers to rest inside the dish.

4. If in doubt what to do, the custom is to glance at the hostess and adopt her method.

5. Never leave the table without being excused, unless when serving as waitress.

6. Tooth picks, like tooth brushes, should be used only in the privacy of one's room.

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